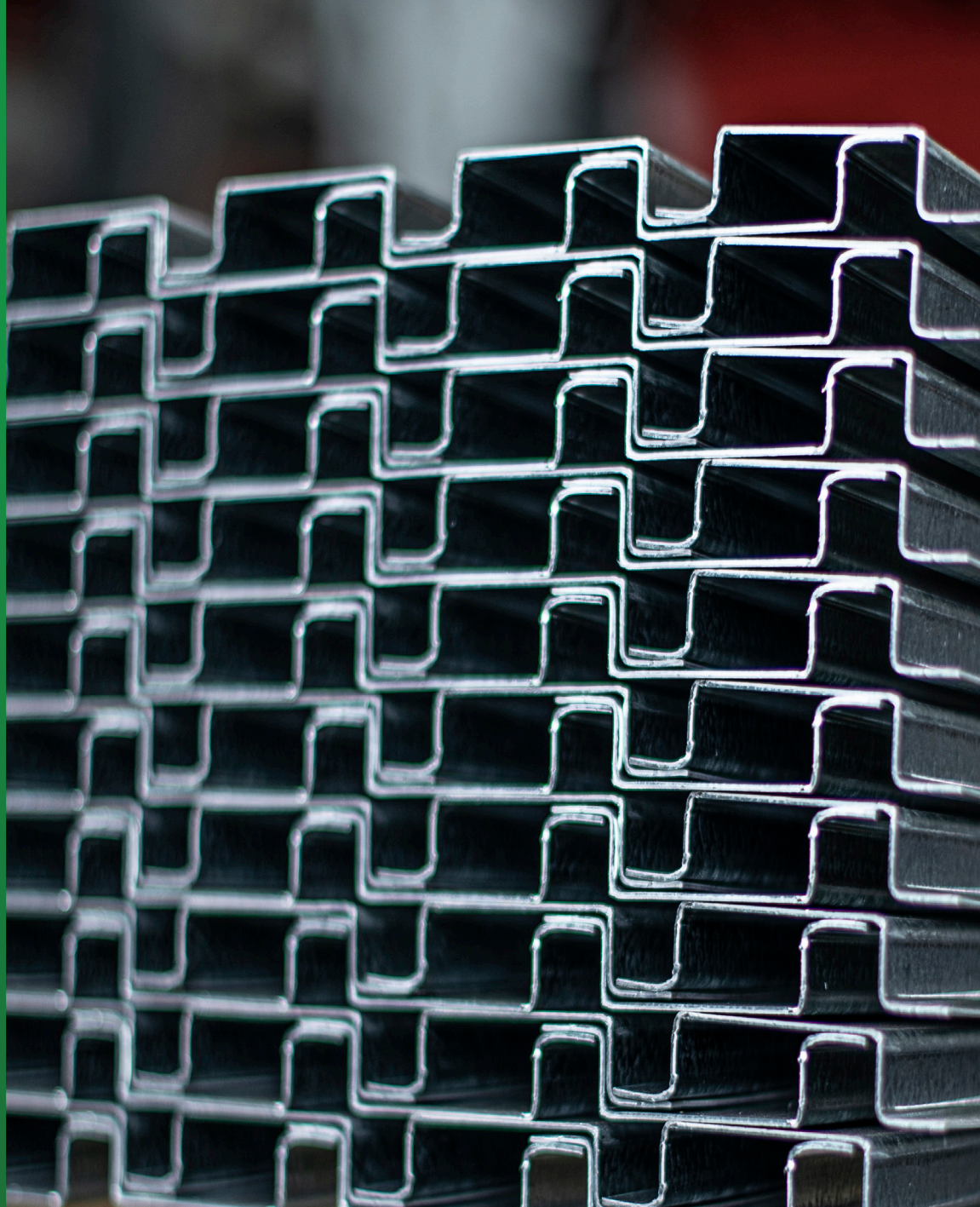




MILLFORM
AUSTRALIA

Where strength matters



Clad *Form*TM 

CLADDING SYSTEM

MILLFORM JUNCTION STUD SPECIFICATIONS AND SPAN TABLES

JUNCTION STUDS



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With the strength of steel, Millform is dedicated to building a better Australia. We provide quality products, ensure efficient delivery standards, and offer proven solutions for commercial, construction, industrial, and government clients.

You can find other Millform items on our website.

www.millform.com.au



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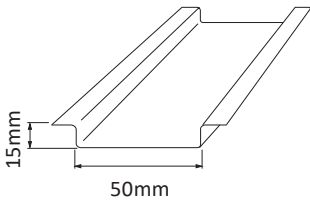
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Junction Studs

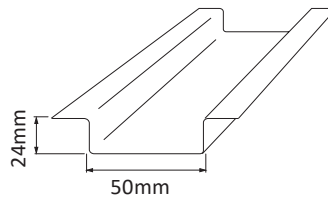
Part No.	Description	Weight
JS50350.55	JUNCTION STUD - 50 X 35 X 0.55 BMT	0.75kg/m
JS50150.75	JUNCTION STUD - 50 X 15 X 0.75 BMT	0.59kg/m
JS50240.75	JUNCTION STUD - 50 X 24 X 0.75 BMT	0.80kg/m
JS50350.75	JUNCTION STUD - 50 X 35 X 0.75 BMT	0.90kg/m
JS50500.75	JUNCTION STUD - 50 X 50 X 0.75 BMT	1.09kg/m
JS75150.75	JUNCTION STUD - 75 X 15 X 0.75 BMT	0.80kg/m
JS75240.75	JUNCTION STUD - 75 X 24 X 0.75 BMT	0.90kg/m
JS75350.75	JUNCTION STUD - 75 X 35 X 0.75 BMT	1.09kg/m
JS75500.75*	JUNCTION STUD - 75 X 50 X 0.75 BMT	1.91kg/m
JS120350.75*	JUNCTION STUD - 120 X 35 X 0.75 BMT	1.97kg/m
JS5015-1.15	JUNCTION STUD - 50 X 15 X 1.15 BMT	0.91kg/m
JS5024-1.15	JUNCTION STUD - 50 X 24 X 1.15 BMT	1.16kg/m
JS5035-1.15	JUNCTION STUD - 50 X 35 X 1.15 BMT	1.36kg/m
JS5050-1.15	JUNCTION STUD - 50 X 50 X 1.15 BMT	1.61kg/m
JS7515-1.15	JUNCTION STUD - 75 X 15 X 1.15 BMT	1.16kg/m
JS7524-1.15	JUNCTION STUD - 75 X 24 X 1.15 BMT	1.36kg/m
JS7535-1.15	JUNCTION STUD - 75 X 35 X 1.15 BMT	1.61kg/m
JS7550-1.15	JUNCTION STUD - 75 X 50 X 1.15 BMT	1.91kg/m
JS12035-1.15	JUNCTION STUD - 120 X 35 X 1.15 BMT	2.02kg/m

* Note: Contact Millform for availability.

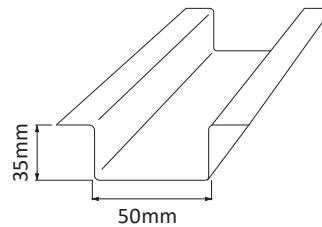
JS5015



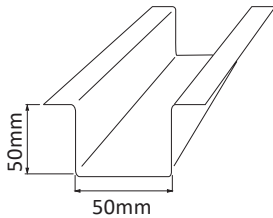
JS5024



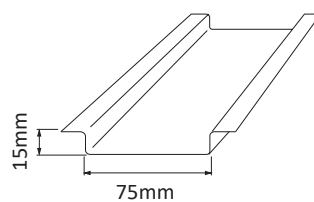
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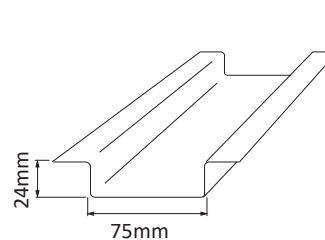
JS5050



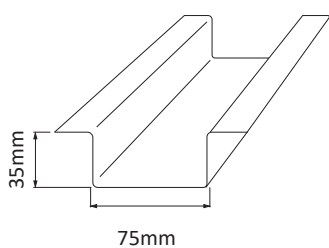
JS7515



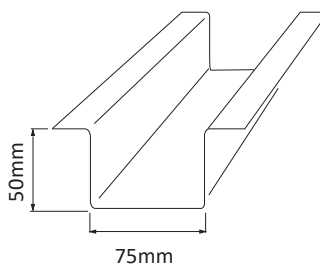
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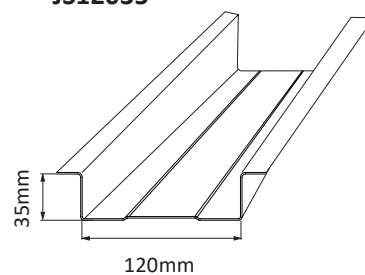
JS7535



JS7550



JS12035



Where strength matters



MAGNA-SHIELD PRO[®]











ULTIMATE CORROSION PROTECTION

ADVANCED COATED STEEL FOR CORROSIVE ENVIRONMENTS

The MAGNA-SHIELD PRO[®] coated steel advantage

MAGNA-SHIELD PRO[®] is a superior steel coating layer combining zinc, aluminium, and magnesium with outstanding results. It offers incredible corrosion resistance, impressive scratch resistance, among other benefits. At Millform Australia[®], we manufacture products from MAGNA-SHIELD PRO[®] coated steel for harsh environments.

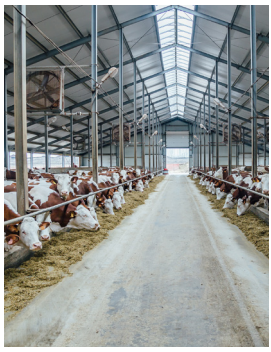
This technologically advanced hot-dip coating provides superior protection and new installation possibilities in a range of corrosive settings. It replaces the need for post-galvanising, lowering material costs and reducing project lead times across the board.

SALT SPRAY TEST					
	1600hrs	2200hrs	2600hrs	3400hrs	4000hrs
Galvanised Z350					
MAGNA-SHIELD PRO [®] (MSP) ZM350					

UNIQUE COATING LAYER OF ZINC, 5% ALUMINIUM AND 3% MAGNESIUM

MAGNA-SHIELD PRO[®] (MSP) ZM350 coating meets the requirements for the Type ZM Coating Class under AS 1397:2021 *Continuous hot-dip metallic coated steel sheet and strip — Coatings of zinc and zinc alloyed with aluminium and magnesium.*

MAGNA-SHIELD PRO[®] (MSP) ZM350 is the ideal product for industrial, construction, commercial, and government applications. With unmatched capabilities, integrity, and corrosion resistance, it's suitable for demanding Australian conditions.



Agricultural facilities



Horticultural facilities



Coastal facilities



Aquatic facilities

CORROSION PROTECTION WITHOUT COMPROMISE

MAGNA-SHIELD PRO® (MSP) ZM350 coated steel is ideal for challenging corrosive environments. It offers much greater protection than a zinc galvanised steel sheet, and it can be used with confidence in a range of extreme conditions.

With a bright, uniform appearance that ages to a satin metallic sheen, **MAGNA-SHIELD PRO® (MSP) ZM350** delivers protection without compromise.

- ◆ Superior corrosion resistance
- ◆ Excellent results without post-galvanising
- ◆ Compatible with concrete
- ◆ Attractive satin matt finish

Suitable for a wide array of structural products

MAGNA-SHIELD PRO® (MSP) ZM350 coated steel is the ideal solution for the following structural products:

- C and Z section purlins and accessories
- Lapped downturn lip purlins
- Bridging
- Junction Stud and Top hats

** Consult the Millform® Sales team for available specification sizes.*

New installation possibilities

MAGNA-SHIELD PRO® (MSP) ZM350 offers superior corrosion resistance, helping to unlock new installation possibilities. This material is suitable when structural sections are subjected to severe or corrosive environmental or operating conditions.

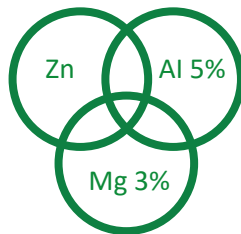
- Marinas and boat sheds
- Aquatic facilities
- Agricultural and horticultural facilities
- Industrial environments
- Petroleum refineries
- Environmental and composite laboratories
- Coastal salt spray

Extended lifespan

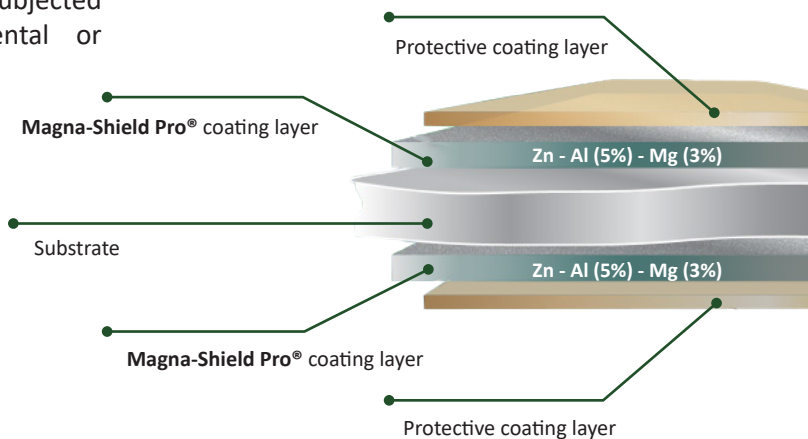
MAGNA-SHIELD PRO® (MSP) ZM350 coated steel has a longer lifespan than comparable zinc coated steel products. It provides improved durability and longevity, with a higher level of corrosion resistance than traditional heavier weighted zinc coated steel products. With numerous benefits and superior performance, **MAGNA-SHIELD PRO® (MSP) ZM350** can be a suitable cost effective alternative to replace stainless steel and aluminium in many applications.

MAGNA-SHIELD PRO® (MSP) ZM350 has at least three times the lifespan of galvanised steel for comparable applications and coating thicknesses.

At Millform Australia®, we provide unmatched capabilities in steel products and manufacturing expertise. We deliver proven building solutions across industry sectors, powered by **MAGNA-SHIELD PRO® (MSP) ZM350** and other high-quality products.



Unique coating layer of Zinc, 5% Aluminium and 3% Magnesium provides surface corrosion and metal cutting edge protection.





SPAN TABLES – JUNCTION STUD 0.55/0.75/1.15

Design Codes, Standards & Guidelines

ASNZS 4600-2018 – Cold-formed Steel Structures

Assumptions

1. Loads are to be determined by a qualified person using the AS1170 standard, all parts.
2. All Capacities were designed in accordance with AS4600.
3. 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.
4. Capacities are developed on the assumption that the junction studs are restrained at 300mm centres by the supported claddings.
5. Design capacities consider inwards/outwards loadings. The lowest value is displayed.
6. The junction stud capacity is the lowest value between Deflection and Ultimate capacity columns

Use of AS/NZS 1170.2 and AS 4055 tables:

AS/NZS 1170.2 and AS 4055 are Australian Standards that provide guidance for structural design, specifically addressing wind loads on buildings. AS/NZS 1170.2 is a comprehensive standard used for calculating wind actions on various types of structures, including houses, high-rise buildings, and industrial facilities. It considers factors like wind speed, terrain category, and building shape to determine the appropriate wind loads for design.

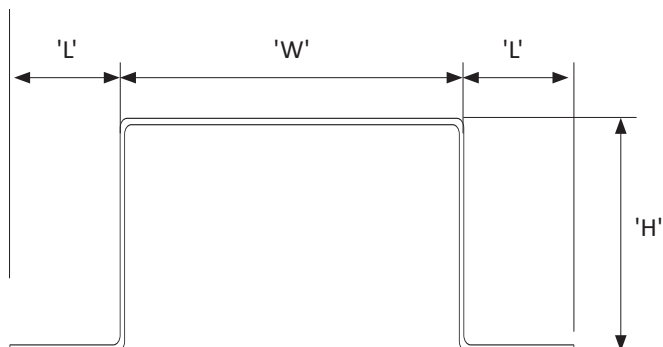
AS 4055, on the other hand, is a simplified standard specifically for housing. It provides a simplified approach to determine wind classifications for residential buildings that fall within certain geometric limits. AS 4055 is often used for smaller-scale residential projects where a detailed analysis according to AS/NZS 1170.2 may not be necessary.

In summary, AS/NZS 1170.2 is used for a wide range of structures, while AS 4055 is specifically tailored for housing applications.

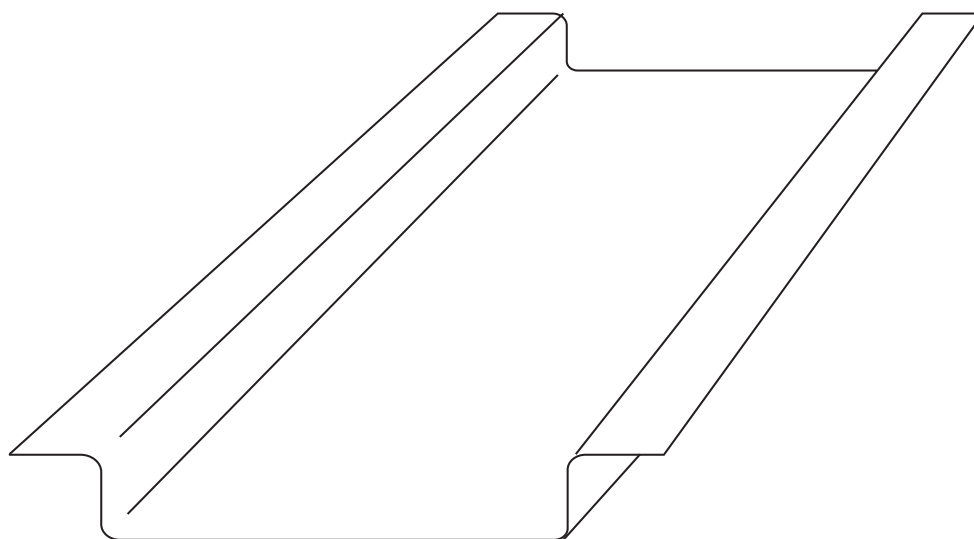
Refer to the stated project design parameters of project engineer to identify the appropriate wind pressures.

SPAN TABLES - JUNCTION STUD 0.55/0.75

Member Schedule – Junction Studs

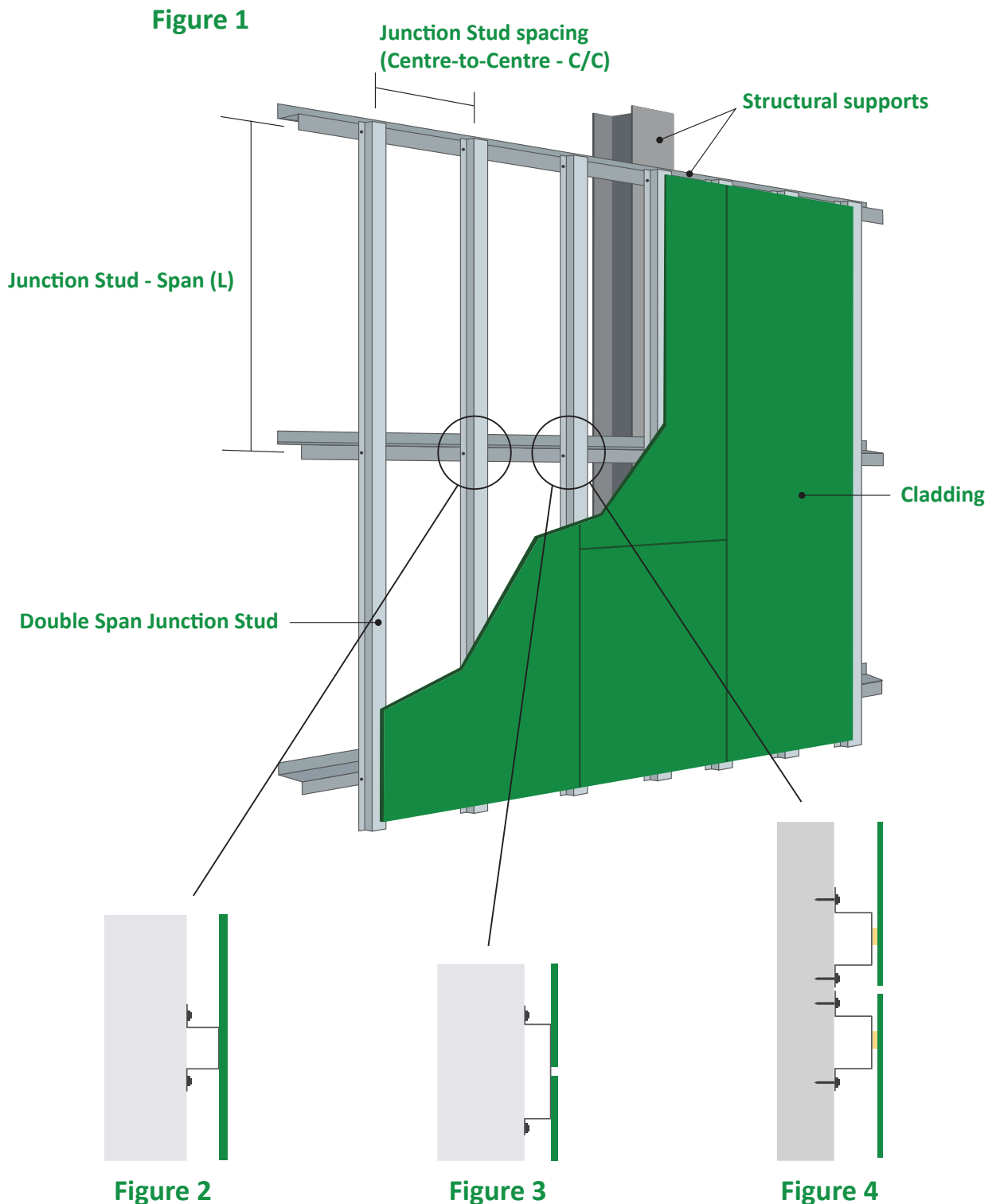


DESCRIPTION	Steel Grade (AS1397)	Nom Width "W"	Nom Height "H"	Leg Return "L"	BMT
		W	H	L	
JS50x35-0.55	G550	50	35	27	0.55
JS50x15-0.75	G550	50	15	12	0.75
JS50x24-0.75	G550	50	24	20	0.75
JS50x35-0.75	G550	50	35	18	0.75
JS50x50-0.75	G550	50	50	18	0.75
JS75x15-0.75	G550	75	15	16	0.75
JS75x24-0.75	G550	75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



Where strength matters





- Junction Stud legs screwed fixed to structural support with Hex Head screws.
- Screw fixing type and size to be confirmed by project engineer.
- Fixing of cladding to Junction Studs as per cladding manufacturer's recommendations.
- Larger width single Junction Stud or double Junction Stud required at cladding joints to provide sufficient edge distance to cladding.
- Edge distances requirements to Junction Stud and cladding sheet to be considered. Refer to project engineer and cladding manufacturer.
- Thermal expansion / contraction and movement allowances to be considered. Refer to cladding manufacturer requirements.

JUNCTION STUD - HOW-TO GUIDE USING AS/NZS 1170.2 TABLES

Project Considerations

Step 1

Determine the following parameters from project documentation, architectural plans and engineering information provided:

- Junction Stud size to suit cavity requirement.
- Overall wall height, and distance between structural supports.
- Design and Serviceability wind pressures as provided in project engineering notes, or provided by project engineer.
- Select appropriate Junction Stud design load table

Step 2 Example

- Wall height 2.8m
- Distance between structural supports, Span (L) 1.4m
- Cavity depth 35mm
- Wind pressure 1.5kPa
- Distance between structural supports 1.4m

Step 3 Refer to Selection Table

- Apply Design Load Table JS 50x35x1.15 - Double Span
- Read down Span (L) column and select (L)
- Read across row to determine Centre-to-Centre (C/C) spacing and select the suitable C/C spacing.

Step 4 Solution applying Design Load Table JS 50x35x1.15 - Double Span:

- L = 1400mm
- Read across to 600 C/C
- Ult and L/360 > 1.5kPa
- Apply JS 50x35x1.15 with Span (L) maximum 1400mm fixed vertically to structural supports in a double span arrangement (refer to Figure 1) and spaced vertically at 600mm centres.

Note

- Confirm hex head screw sizes for fixing Junction Studs to structural supports with project engineer.
- Fixing of cladding to Junction Stud as per the cladding manufacturer 's requirements.

JS 50x35.x1.15 - Double Span (250MPa Steel Grade)								
Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
			Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	11.530	55.390	38.433	184.633	25.622	123.089	19.217	92.317
600	5.271	16.410	17.570	54.700	11.713	36.467	8.785	27.350
800	2.995	6.923	9.983	23.077	6.656	15.384	4.992	11.538
1000	1.926	3.545	6.420	11.817	4.280	7.878	3.210	5.908
1200	1.341	2.051	4.470	6.837	2.980	4.558	2.235	3.418
1400	0.987	1.292	3.290	4.307	2.193	2.871	1.645	2.153
1600	0.756	0.865	2.521	2.885	1.681	1.923	1.261	1.442
1800	0.598	0.608	1.994	2.026	1.329	1.351	0.997	1.013
2000	0.485	0.443	1.616	1.477	1.077	0.985	0.808	0.739
2200	0.396	0.333	1.319	1.110	0.880	0.740	0.660	0.555
2400	0.328	0.256	1.094	0.855	0.729	0.570	0.547	0.427
2600	0.276	0.202	0.920	0.672	0.614	0.448	0.460	0.336
2800	0.235	0.162	0.784	0.538	0.522	0.359	0.392	0.269
3000	0.202	0.131	0.674	0.438	0.450	0.292	0.337	0.219
3200	0.176	0.108	0.585	0.361	0.390	0.240	0.293	0.180

Where strength matters





Design Capacity Tables - AS/NZS 1170.2

Junction Stud - JS 50X35X0.55 - 550MPa Steel Grade

SINGLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	5.509	15.450	18.363	51.500	12.242
600	2.448	4.577	8.160	15.257	5.440	10.171	4.080	7.628	
800	1.377	1.931	4.590	6.437	3.060	4.291	2.295	3.218	
1000	0.881	0.989	2.938	3.295	1.959	2.197	1.469	1.648	
1200	0.612	0.572	2.040	1.907	1.360	1.271	1.020	0.954	
1400	0.450	0.360	1.499	1.201	0.999	0.801	0.750	0.601	
1600	0.344	0.241	1.148	0.804	0.765	0.536	0.574	0.402	
1800	0.272	0.170	0.907	0.565	0.604	0.377	0.453	0.283	
2000	0.220	0.124	0.734	0.412	0.490	0.275	0.367	0.206	
2200	0.182	0.093	0.607	0.309	0.405	0.206	0.304	0.155	
2400	0.153	0.072	0.510	0.238	0.340	0.159	0.255	0.119	
2600	0.130	0.056	0.435	0.187	0.290	0.125	0.217	0.094	
2800	0.112	0.045	0.375	0.150	0.250	0.100	0.187	0.075	
3000	0.098	0.037	0.326	0.122	0.218	0.081	0.163	0.061	
3200	0.086	0.030	0.287	0.101	0.191	0.067	0.143	0.050	

DOUBLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	7.593	37.240	25.310	124.133	16.873
600	3.431	11.040	11.437	36.800	7.624	24.533	5.718	18.400	
800	1.941	4.656	6.470	15.520	4.313	10.347	3.235	7.760	
1000	1.246	2.384	4.153	7.947	2.769	5.298	2.077	3.973	
1200	0.867	1.379	2.888	4.597	1.926	3.064	1.444	2.298	
1400	0.637	0.869	2.124	2.896	1.416	1.930	1.062	1.448	
1600	0.488	0.582	1.627	1.940	1.085	1.293	0.814	0.970	
1800	0.386	0.409	1.286	1.362	0.858	0.908	0.643	0.681	
2000	0.313	0.298	1.042	0.993	0.695	0.662	0.521	0.497	
2200	0.258	0.224	0.861	0.746	0.574	0.498	0.431	0.373	
2400	0.217	0.172	0.724	0.575	0.483	0.383	0.362	0.287	
2600	0.185	0.136	0.617	0.452	0.411	0.301	0.309	0.226	
2800	0.160	0.109	0.532	0.362	0.355	0.241	0.266	0.181	
3000	0.139	0.088	0.463	0.294	0.309	0.196	0.232	0.147	
3200	0.122	0.073	0.407	0.242	0.272	0.162	0.204	0.121	

TRIPLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	8.972	29.580	29.907	98.600	19.938
600	3.988	8.763	13.293	29.210	8.862	19.473	6.647	14.605	
800	2.243	3.697	7.477	12.323	4.984	8.216	3.738	6.162	
1000	1.436	1.893	4.787	6.310	3.191	4.207	2.393	3.155	
1200	0.997	1.095	3.324	3.650	2.216	2.433	1.662	1.825	
1400	0.732	0.690	2.441	2.299	1.628	1.533	1.221	1.150	
1600	0.561	0.462	1.869	1.540	1.246	1.027	0.935	0.770	
1800	0.443	0.325	1.477	1.082	0.985	0.721	0.739	0.541	
2000	0.359	0.237	1.196	0.789	0.798	0.526	0.598	0.394	
2200	0.297	0.178	0.989	0.593	0.659	0.395	0.494	0.296	
2400	0.249	0.137	0.831	0.456	0.554	0.304	0.416	0.228	
2600	0.212	0.108	0.708	0.359	0.472	0.239	0.354	0.180	
2800	0.183	0.086	0.610	0.287	0.407	0.192	0.305	0.144	
3000	0.160	0.070	0.532	0.234	0.354	0.156	0.266	0.117	
3200	0.140	0.058	0.467	0.193	0.312	0.128	0.234	0.096	

Design Capacity Tables - AS/NZS 1170.2

Junction Stud - JS 50x15x0.75 - 550MPa Steel Grade

SINGLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	1.110	1.959	3.700	6.530	2.467
600	0.494	0.581	1.645	1.935	1.097	1.290	0.823	0.968	
800	0.278	0.245	0.925	0.816	0.617	0.544	0.463	0.408	
1000	0.178	0.125	0.592	0.418	0.395	0.279	0.296	0.209	
1200	0.123	0.073	0.411	0.242	0.274	0.161	0.206	0.121	
1400	0.091	0.046	0.302	0.152	0.201	0.102	0.151	0.076	
1600	0.069	0.031	0.231	0.102	0.154	0.068	0.116	0.051	
1800	0.055	0.022	0.183	0.072	0.122	0.048	0.091	0.036	
2000	0.044	0.016	0.148	0.052	0.099	0.035	0.074	0.026	
2200	0.037	0.012	0.122	0.039	0.082	0.026	0.061	0.020	
2400	0.031	0.009	0.103	0.030	0.069	0.020	0.051	0.015	
2600	0.026	0.007	0.088	0.024	0.058	0.016	0.044	0.012	
2800	0.023	0.006	0.076	0.019	0.050	0.013	0.038	0.010	
3000	0.020	0.005	0.066	0.015	0.044	0.010	0.033	0.008	
3200	0.017	0.004	0.058	0.013	0.039	0.009	0.029	0.006	

DOUBLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	1.271	4.725	4.237	15.750	2.824
600	0.566	1.400	1.886	4.667	1.258	3.111	0.943	2.333	
800	0.319	0.591	1.062	1.969	0.708	1.312	0.531	0.984	
1000	0.204	0.302	0.680	1.008	0.453	0.672	0.340	0.504	
1200	0.142	0.175	0.472	0.583	0.315	0.389	0.236	0.292	
1400	0.104	0.110	0.347	0.367	0.231	0.245	0.174	0.184	
1600	0.079	0.074	0.263	0.246	0.175	0.164	0.131	0.123	
1800	0.062	0.052	0.205	0.173	0.137	0.115	0.103	0.086	
2000	0.049	0.038	0.164	0.126	0.109	0.084	0.082	0.063	
2200	0.040	0.028	0.134	0.095	0.090	0.063	0.067	0.047	
2400	0.034	0.022	0.112	0.073	0.074	0.049	0.056	0.036	
2600	0.028	0.017	0.094	0.057	0.063	0.038	0.047	0.029	
2800	0.024	0.014	0.081	0.046	0.054	0.031	0.040	0.023	
3000	0.021	0.011	0.070	0.037	0.046	0.025	0.035	0.019	
3200	0.018	0.009	0.061	0.031	0.040	0.021	0.030	0.015	

TRIPLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	1.586	3.752	5.287	12.507	3.524
600	0.707	1.112	2.356	3.707	1.571	2.471	1.178	1.853	
800	0.398	0.469	1.327	1.563	0.884	1.042	0.663	0.782	
1000	0.255	0.240	0.849	0.800	0.566	0.534	0.425	0.400	
1200	0.176	0.139	0.587	0.463	0.391	0.309	0.293	0.232	
1400	0.127	0.088	0.424	0.292	0.283	0.194	0.212	0.146	
1600	0.096	0.059	0.320	0.195	0.213	0.130	0.160	0.098	
1800	0.075	0.041	0.249	0.137	0.166	0.091	0.125	0.069	
2000	0.060	0.030	0.199	0.100	0.133	0.067	0.100	0.050	
2200	0.049	0.023	0.163	0.075	0.108	0.050	0.081	0.038	
2400	0.041	0.017	0.135	0.058	0.090	0.039	0.068	0.029	
2600	0.034	0.014	0.114	0.046	0.076	0.030	0.057	0.023	
2800	0.029	0.011	0.097	0.036	0.065	0.024	0.049	0.018	
3000	0.025	0.009	0.084	0.030	0.056	0.020	0.042	0.015	
3200	0.022	0.007	0.073	0.024	0.049	0.016	0.037	0.012	

Where strength matters





Design Capacity Tables - AS/NZS 1170.2

Junction Stud - JS 50x24x0.75 - 550MPa Steel Grade

SINGLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	3.968	6.503	13.227	21.677	8.818
600	1.763	1.927	5.877	6.423	3.918	4.282	2.938	3.212	
800	0.992	0.813	3.306	2.709	2.204	1.806	1.653	1.355	
1000	0.635	0.416	2.116	1.387	1.411	0.925	1.058	0.694	
1200	0.441	0.241	1.469	0.803	0.980	0.535	0.735	0.401	
1400	0.324	0.152	1.080	0.506	0.720	0.337	0.540	0.253	
1600	0.248	0.102	0.827	0.339	0.551	0.226	0.413	0.169	
1800	0.196	0.071	0.653	0.238	0.435	0.159	0.327	0.119	
2000	0.159	0.052	0.529	0.173	0.353	0.116	0.265	0.087	
2200	0.131	0.039	0.437	0.130	0.292	0.087	0.219	0.065	
2400	0.110	0.030	0.367	0.100	0.245	0.067	0.184	0.050	
2600	0.094	0.024	0.313	0.079	0.209	0.053	0.157	0.039	
2800	0.081	0.019	0.270	0.063	0.180	0.042	0.135	0.032	
3000	0.071	0.015	0.235	0.051	0.157	0.034	0.118	0.026	
3200	0.062	0.013	0.207	0.042	0.138	0.028	0.103	0.021	

DOUBLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	4.182	15.680	13.940	52.267	9.293
600	1.869	4.646	6.230	15.487	4.153	10.324	3.115	7.743	
800	1.053	1.960	3.510	6.533	2.340	4.356	1.755	3.267	
1000	0.675	1.003	2.249	3.343	1.499	2.229	1.125	1.672	
1200	0.469	0.581	1.563	1.936	1.042	1.290	0.781	0.968	
1400	0.343	0.366	1.143	1.219	0.762	0.813	0.572	0.610	
1600	0.258	0.245	0.861	0.817	0.574	0.544	0.431	0.408	
1800	0.201	0.172	0.669	0.574	0.446	0.382	0.335	0.287	
2000	0.160	0.125	0.533	0.418	0.355	0.279	0.267	0.209	
2200	0.130	0.094	0.433	0.314	0.289	0.209	0.217	0.157	
2400	0.107	0.073	0.357	0.242	0.238	0.161	0.179	0.121	
2600	0.090	0.057	0.299	0.190	0.199	0.127	0.150	0.095	
2800	0.076	0.046	0.254	0.152	0.169	0.102	0.127	0.076	
3000	0.065	0.037	0.217	0.124	0.145	0.083	0.108	0.062	
3200	0.056	0.031	0.187	0.102	0.125	0.068	0.094	0.051	

TRIPLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	5.205	12.450	17.350	41.500	11.567
600	2.332	3.689	7.773	12.297	5.182	8.198	3.887	6.148	
800	1.315	1.556	4.383	5.187	2.922	3.458	2.192	2.593	
1000	0.843	0.797	2.809	2.656	1.873	1.771	1.405	1.328	
1200	0.582	0.461	1.939	1.537	1.292	1.025	0.969	0.769	
1400	0.419	0.290	1.395	0.968	0.930	0.645	0.698	0.484	
1600	0.314	0.195	1.046	0.649	0.697	0.432	0.523	0.324	
1800	0.242	0.137	0.808	0.455	0.539	0.304	0.404	0.228	
2000	0.192	0.100	0.640	0.332	0.426	0.221	0.320	0.166	
2200	0.155	0.075	0.516	0.249	0.344	0.166	0.258	0.125	
2400	0.127	0.058	0.424	0.192	0.282	0.128	0.212	0.096	
2600	0.106	0.045	0.353	0.151	0.235	0.101	0.176	0.076	
2800	0.089	0.036	0.297	0.121	0.198	0.081	0.148	0.061	
3000	0.076	0.030	0.252	0.098	0.168	0.066	0.126	0.049	
3200	0.065	0.024	0.217	0.081	0.144	0.054	0.108	0.041	

Design Capacity Tables - AS/NZS 1170.2

Junction Stud - JS 50x35x0.75- 550MPa Steel Grade

SINGLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	10.930	15.450	36.433	51.500	24.289
600	4.858	4.577	16.193	15.257	10.796	10.171	8.097	7.628	
800	2.733	1.931	9.110	6.437	6.073	4.291	4.555	3.218	
1000	1.749	0.989	5.830	3.295	3.887	2.197	2.915	1.648	
1200	1.214	0.572	4.047	1.907	2.698	1.271	2.023	0.954	
1400	0.892	0.360	2.974	1.201	1.983	0.801	1.487	0.601	
1600	0.683	0.241	2.277	0.804	1.518	0.536	1.139	0.402	
1800	0.540	0.170	1.799	0.565	1.200	0.377	0.900	0.283	
2000	0.437	0.124	1.457	0.412	0.972	0.275	0.729	0.206	
2200	0.361	0.093	1.204	0.309	0.803	0.206	0.602	0.155	
2400	0.304	0.072	1.012	0.238	0.675	0.159	0.506	0.119	
2600	0.259	0.056	0.862	0.187	0.575	0.125	0.431	0.094	
2800	0.223	0.045	0.744	0.150	0.496	0.100	0.372	0.075	
3000	0.194	0.037	0.648	0.122	0.432	0.081	0.324	0.061	
3200	0.171	0.030	0.569	0.101	0.380	0.067	0.285	0.050	

DOUBLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	11.150	37.240	37.167	124.133	24.778
600	5.032	11.040	16.773	36.800	11.182	24.533	8.387	18.400	
800	2.846	4.656	9.487	15.520	6.324	10.347	4.743	7.760	
1000	1.827	2.384	6.090	7.947	4.060	5.298	3.045	3.973	
1200	1.270	1.379	4.233	4.597	2.822	3.064	2.117	2.298	
1400	0.919	0.869	3.064	2.896	2.043	1.930	1.532	1.448	
1600	0.690	0.582	2.299	1.940	1.532	1.293	1.149	0.970	
1800	0.533	0.409	1.777	1.362	1.184	0.908	0.888	0.681	
2000	0.422	0.298	1.406	0.993	0.937	0.662	0.703	0.497	
2200	0.340	0.224	1.134	0.746	0.756	0.498	0.567	0.373	
2400	0.279	0.172	0.929	0.575	0.619	0.383	0.464	0.287	
2600	0.231	0.136	0.770	0.452	0.513	0.301	0.385	0.226	
2800	0.194	0.109	0.646	0.362	0.430	0.241	0.323	0.181	
3000	0.164	0.088	0.546	0.294	0.364	0.196	0.273	0.147	
3200	0.140	0.073	0.465	0.242	0.310	0.162	0.233	0.121	

TRIPLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	13.770	29.580	45.900	98.600	30.600
600	6.256	8.763	20.853	29.210	13.902	19.473	10.427	14.605	
800	3.547	3.697	11.823	12.323	7.882	8.216	5.912	6.162	
1000	2.278	1.893	7.593	6.310	5.062	4.207	3.797	3.155	
1200	1.565	1.095	5.217	3.650	3.478	2.433	2.608	1.825	
1400	1.122	0.690	3.740	2.299	2.493	1.533	1.870	1.150	
1600	0.835	0.462	2.785	1.540	1.856	1.027	1.392	0.770	
1800	0.641	0.325	2.136	1.082	1.424	0.721	1.068	0.541	
2000	0.503	0.237	1.675	0.789	1.117	0.526	0.838	0.394	
2200	0.401	0.178	1.337	0.593	0.892	0.395	0.669	0.296	
2400	0.325	0.137	1.083	0.456	0.722	0.304	0.542	0.228	
2600	0.266	0.108	0.887	0.359	0.591	0.239	0.444	0.180	
2800	0.220	0.086	0.733	0.287	0.489	0.192	0.367	0.144	
3000	0.183	0.070	0.611	0.234	0.407	0.156	0.305	0.117	
3200	0.154	0.058	0.512	0.193	0.341	0.128	0.256	0.096	

Where strength matters





Design Capacity Tables - AS/NZS 1170.2

Junction Stud - JS 50x50x0.75 - 550MPa Steel Grade

SINGLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	28.160	33.750	93.867	112.500	62.578
600	12.520	9.999	41.733	33.330	27.822	22.220	20.867	16.665	
800	7.040	4.218	23.467	14.060	15.644	9.373	11.733	7.030	
1000	4.506	2.160	15.020	7.200	10.013	4.800	7.510	3.600	
1200	3.129	1.250	10.430	4.167	6.953	2.778	5.215	2.083	
1400	2.299	0.787	7.663	2.624	5.109	1.749	3.832	1.312	
1600	1.760	0.527	5.867	1.758	3.911	1.172	2.933	0.879	
1800	1.391	0.370	4.637	1.234	3.091	0.823	2.318	0.617	
2000	1.126	0.270	3.753	0.900	2.502	0.600	1.877	0.450	
2200	0.931	0.203	3.103	0.676	2.069	0.451	1.552	0.338	
2400	0.779	0.156	2.596	0.521	1.731	0.347	1.298	0.260	
2600	0.661	0.123	2.203	0.410	1.468	0.273	1.101	0.205	
2800	0.568	0.098	1.892	0.328	1.261	0.219	0.946	0.164	
3000	0.493	0.080	1.642	0.267	1.095	0.178	0.821	0.133	
3200	0.432	0.066	1.439	0.220	0.959	0.146	0.719	0.110	

DOUBLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	26.450	81.370	88.167	271.233	58.778
600	12.510	24.110	41.700	80.367	27.800	53.578	20.850	40.183	
800	7.206	10.170	24.020	33.900	16.013	22.600	12.010	16.950	
1000	4.665	5.207	15.550	17.357	10.367	11.571	7.775	8.678	
1200	3.208	3.014	10.693	10.047	7.129	6.698	5.347	5.023	
1400	2.290	1.898	7.633	6.327	5.089	4.218	3.817	3.163	
1600	1.698	1.271	5.660	4.237	3.773	2.824	2.830	2.118	
1800	1.295	0.893	4.317	2.976	2.878	1.984	2.158	1.488	
2000	1.010	0.651	3.367	2.170	2.244	1.447	1.683	1.085	
2200	0.800	0.489	2.666	1.630	1.778	1.087	1.333	0.815	
2400	0.642	0.377	2.139	1.256	1.426	0.837	1.070	0.628	
2600	0.520	0.296	1.732	0.988	1.154	0.658	0.866	0.494	
2800	0.423	0.237	1.411	0.791	0.941	0.527	0.706	0.395	
3000	0.347	0.193	1.156	0.643	0.771	0.429	0.578	0.322	
3200	0.288	0.159	0.959	0.530	0.639	0.353	0.480	0.265	

TRIPLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	31.630	64.620	105.433	215.400	70.289
600	15.290	19.150	50.967	63.833	33.978	42.556	25.483	31.917	
800	8.887	8.077	29.623	26.923	19.749	17.949	14.812	13.462	
1000	5.779	4.135	19.263	13.783	12.842	9.189	9.632	6.892	
1200	3.927	2.393	13.090	7.977	8.727	5.318	6.545	3.988	
1400	2.779	1.507	9.263	5.023	6.176	3.349	4.632	2.512	
1600	2.038	1.010	6.793	3.367	4.529	2.244	3.397	1.683	
1800	1.535	0.709	5.117	2.364	3.411	1.576	2.558	1.182	
2000	1.177	0.517	3.923	1.723	2.616	1.149	1.962	0.862	
2200	0.914	0.388	3.047	1.295	2.031	0.863	1.524	0.647	
2400	0.715	0.299	2.385	0.997	1.590	0.665	1.192	0.499	
2600	0.565	0.235	1.882	0.784	1.254	0.523	0.941	0.392	
2800	0.453	0.188	1.511	0.628	1.007	0.419	0.755	0.314	
3000	0.370	0.153	1.232	0.511	0.821	0.340	0.616	0.255	
3200	0.306	0.126	1.018	0.421	0.679	0.280	0.509	0.210	

Design Capacity Tables - AS/NZS 1170.2

Junction Stud - JS 75x15x0.75 - 550MPa Steel Grade

SINGLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				600	0.284	0.702	0.947	2.340	0.631
800	0.160	0.296	0.533	0.987	0.355	0.658	0.266	0.494	
1000	0.102	0.152	0.341	0.505	0.227	0.337	0.171	0.253	
1200	0.071	0.088	0.237	0.293	0.158	0.195	0.118	0.146	
1400	0.052	0.055	0.174	0.184	0.116	0.123	0.087	0.092	
1600	0.040	0.037	0.133	0.123	0.089	0.082	0.067	0.062	
1800	0.032	0.026	0.105	0.087	0.070	0.058	0.053	0.043	
2000	0.026	0.019	0.085	0.063	0.057	0.042	0.043	0.032	
2200	0.021	0.014	0.070	0.047	0.047	0.032	0.035	0.024	
2400	0.018	0.011	0.059	0.037	0.039	0.024	0.030	0.018	
2600	0.015	0.009	0.050	0.029	0.034	0.019	0.025	0.014	
2800	0.013	0.007	0.044	0.023	0.029	0.015	0.022	0.012	
3000	0.011	0.006	0.038	0.019	0.025	0.012	0.019	0.009	
3200	0.010	0.005	0.033	0.015	0.022	0.010	0.017	0.008	
3200	0.171	0.030	0.569	0.101	0.380	0.067	0.285	0.050	

DOUBLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	0.814	5.713	2.714	19.043	1.809
600	0.362	1.693	1.207	5.643	0.805	3.762	0.604	2.822	
800	0.204	0.714	0.679	2.380	0.453	1.587	0.340	1.190	
1000	0.130	0.366	0.435	1.219	0.290	0.812	0.217	0.609	
1200	0.091	0.212	0.302	0.705	0.201	0.470	0.151	0.353	
1400	0.067	0.133	0.222	0.444	0.148	0.296	0.111	0.222	
1600	0.051	0.089	0.170	0.298	0.113	0.198	0.085	0.149	
1800	0.040	0.063	0.134	0.209	0.089	0.139	0.067	0.104	
2000	0.033	0.046	0.108	0.152	0.072	0.102	0.054	0.076	
2200	0.027	0.034	0.089	0.114	0.059	0.076	0.044	0.057	
2400	0.022	0.026	0.074	0.088	0.049	0.059	0.037	0.044	
2600	0.019	0.021	0.062	0.069	0.042	0.046	0.031	0.035	
2800	0.016	0.017	0.053	0.056	0.036	0.037	0.027	0.028	
3000	0.014	0.014	0.046	0.045	0.031	0.030	0.023	0.023	
3200	0.012	0.011	0.040	0.037	0.027	0.025	0.020	0.019	

TRIPLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	0.999	4.537	3.330	15.123	2.220
600	0.444	1.344	1.480	4.480	0.987	2.987	0.740	2.240	
800	0.250	0.567	0.832	1.890	0.555	1.260	0.416	0.945	
1000	0.160	0.290	0.533	0.968	0.355	0.645	0.266	0.484	
1200	0.111	0.168	0.370	0.560	0.247	0.373	0.185	0.280	
1400	0.081	0.106	0.270	0.353	0.180	0.235	0.135	0.176	
1600	0.061	0.071	0.203	0.236	0.135	0.158	0.102	0.118	
1800	0.047	0.050	0.158	0.166	0.105	0.111	0.079	0.083	
2000	0.038	0.036	0.126	0.121	0.084	0.081	0.063	0.060	
2200	0.031	0.027	0.103	0.091	0.068	0.061	0.051	0.045	
2400	0.026	0.021	0.085	0.070	0.057	0.047	0.043	0.035	
2600	0.021	0.017	0.072	0.055	0.048	0.037	0.036	0.028	
2800	0.018	0.013	0.061	0.044	0.041	0.029	0.030	0.022	
3000	0.016	0.011	0.052	0.036	0.035	0.024	0.026	0.018	
3200	0.014	0.009	0.045	0.030	0.030	0.020	0.023	0.015	

Where strength matters





Design Capacity Tables - AS/NZS 1170.2

Junction Stud - JS 75x24x0.75 - 550MPa Steel Grade

SINGLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	2.106	7.407	7.020	24.690	4.680
600	0.936	2.195	3.120	7.317	2.080	4.878	1.560	3.658	
800	0.527	0.926	1.755	3.086	1.170	2.058	0.878	1.543	
1000	0.337	0.474	1.123	1.580	0.749	1.054	0.562	0.790	
1200	0.234	0.274	0.780	0.915	0.520	0.610	0.390	0.457	
1400	0.172	0.173	0.573	0.576	0.382	0.384	0.287	0.288	
1600	0.132	0.116	0.439	0.386	0.292	0.257	0.219	0.193	
1800	0.104	0.081	0.347	0.271	0.231	0.181	0.173	0.135	
2000	0.084	0.059	0.281	0.198	0.187	0.132	0.140	0.099	
2200	0.070	0.045	0.232	0.148	0.155	0.099	0.116	0.074	
2400	0.059	0.034	0.195	0.114	0.130	0.076	0.098	0.057	
2600	0.050	0.027	0.166	0.090	0.111	0.060	0.083	0.045	
2800	0.043	0.022	0.143	0.072	0.096	0.048	0.072	0.036	
3000	0.037	0.018	0.125	0.059	0.083	0.039	0.062	0.029	
3200	0.033	0.014	0.110	0.048	0.073	0.032	0.055	0.024	

DOUBLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	2.526	17.860	8.420	59.533	5.613
600	1.125	5.292	3.750	17.640	2.500	11.760	1.875	8.820	
800	0.633	2.233	2.110	7.443	1.407	4.962	1.055	3.722	
1000	0.405	1.143	1.351	3.810	0.901	2.540	0.676	1.905	
1200	0.282	0.662	0.938	2.205	0.626	1.470	0.469	1.103	
1400	0.207	0.417	0.690	1.389	0.460	0.926	0.345	0.694	
1600	0.158	0.279	0.528	0.930	0.352	0.620	0.264	0.465	
1800	0.125	0.196	0.417	0.653	0.278	0.436	0.209	0.327	
2000	0.101	0.143	0.336	0.476	0.224	0.318	0.168	0.238	
2200	0.082	0.107	0.275	0.358	0.183	0.239	0.137	0.179	
2400	0.068	0.083	0.228	0.276	0.152	0.184	0.114	0.138	
2600	0.058	0.065	0.192	0.217	0.128	0.145	0.096	0.108	
2800	0.049	0.052	0.163	0.174	0.109	0.116	0.082	0.087	
3000	0.042	0.042	0.140	0.141	0.094	0.094	0.070	0.071	
3200	0.037	0.035	0.122	0.116	0.081	0.078	0.061	0.058	

TRIPLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	3.152	14.180	10.507	47.267	7.004
600	1.405	4.203	4.683	14.010	3.122	9.340	2.342	7.005	
800	0.791	1.773	2.637	5.910	1.758	3.940	1.319	2.955	
1000	0.507	0.908	1.688	3.026	1.126	2.017	0.844	1.513	
1200	0.352	0.525	1.173	1.751	0.782	1.167	0.587	0.876	
1400	0.259	0.331	0.862	1.103	0.574	0.735	0.431	0.551	
1600	0.197	0.222	0.658	0.739	0.439	0.492	0.329	0.369	
1800	0.154	0.156	0.512	0.519	0.341	0.346	0.256	0.260	
2000	0.122	0.114	0.408	0.378	0.272	0.252	0.204	0.189	
2200	0.100	0.085	0.332	0.284	0.221	0.189	0.166	0.142	
2400	0.082	0.066	0.274	0.219	0.183	0.146	0.137	0.109	
2600	0.069	0.052	0.228	0.172	0.152	0.115	0.114	0.086	
2800	0.058	0.041	0.192	0.138	0.128	0.092	0.096	0.069	
3000	0.049	0.034	0.164	0.112	0.109	0.075	0.082	0.056	
3200	0.042	0.028	0.140	0.092	0.094	0.062	0.070	0.046	

Design Capacity Tables - AS/NZS 1170.2

Junction Stud - JS 75x35x0.75 - 550MPa Steel Grade



SINGLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	5.684	18.430	18.947	61.433	12.631
600	2.526	5.461	8.420	18.203	5.613	12.136	4.210	9.102	
800	1.421	2.304	4.737	7.680	3.158	5.120	2.368	3.840	
1000	0.909	1.180	3.031	3.933	2.021	2.622	1.516	1.967	
1200	0.632	0.683	2.105	2.276	1.403	1.517	1.053	1.138	
1400	0.464	0.430	1.547	1.433	1.031	0.955	0.773	0.717	
1600	0.355	0.288	1.184	0.960	0.789	0.640	0.592	0.480	
1800	0.281	0.202	0.936	0.674	0.624	0.450	0.468	0.337	
2000	0.227	0.148	0.758	0.492	0.505	0.328	0.379	0.246	
2200	0.188	0.111	0.626	0.369	0.418	0.246	0.313	0.185	
2400	0.158	0.085	0.526	0.284	0.351	0.190	0.263	0.142	
2600	0.135	0.067	0.448	0.224	0.299	0.149	0.224	0.112	
2800	0.116	0.054	0.387	0.179	0.258	0.119	0.193	0.090	
3000	0.101	0.044	0.337	0.146	0.224	0.097	0.168	0.073	
3200	0.089	0.036	0.296	0.120	0.197	0.080	0.148	0.060	

DOUBLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	8.046	35.290	26.820	117.633	17.880
600	3.603	10.460	12.010	34.867	8.007	23.244	6.005	17.433	
800	2.032	4.412	6.773	14.707	4.516	9.804	3.387	7.353	
1000	1.302	2.259	4.340	7.530	2.893	5.020	2.170	3.765	
1200	0.905	1.307	3.016	4.357	2.010	2.904	1.508	2.178	
1400	0.665	0.823	2.217	2.744	1.478	1.829	1.108	1.372	
1600	0.508	0.552	1.692	1.838	1.128	1.226	0.846	0.919	
1800	0.394	0.387	1.315	1.291	0.876	0.861	0.657	0.646	
2000	0.314	0.282	1.046	0.941	0.697	0.627	0.523	0.471	
2200	0.255	0.212	0.848	0.707	0.566	0.471	0.424	0.354	
2400	0.210	0.163	0.698	0.545	0.466	0.363	0.349	0.272	
2600	0.175	0.129	0.582	0.428	0.388	0.286	0.291	0.214	
2800	0.147	0.103	0.491	0.343	0.327	0.229	0.246	0.172	
3000	0.125	0.084	0.418	0.279	0.278	0.186	0.209	0.139	
3200	0.107	0.069	0.358	0.230	0.239	0.153	0.179	0.115	

TRIPLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	10.000	52.960	33.333	176.533	22.222
600	4.531	15.690	15.103	52.300	10.069	34.867	7.552	26.150	
800	2.567	6.620	8.557	22.067	5.704	14.711	4.278	11.033	
1000	1.648	3.390	5.493	11.300	3.662	7.533	2.747	5.650	
1200	1.147	1.962	3.823	6.540	2.549	4.360	1.912	3.270	
1400	0.843	1.235	2.811	4.117	1.874	2.744	1.405	2.058	
1600	0.646	0.828	2.153	2.759	1.436	1.839	1.077	1.379	
1800	0.511	0.581	1.702	1.937	1.135	1.292	0.851	0.969	
2000	0.414	0.424	1.379	1.412	0.920	0.942	0.690	0.706	
2200	0.342	0.318	1.140	1.061	0.760	0.707	0.570	0.531	
2400	0.288	0.245	0.958	0.817	0.639	0.545	0.479	0.409	
2600	0.245	0.193	0.817	0.643	0.544	0.429	0.408	0.322	
2800	0.210	0.154	0.700	0.515	0.467	0.343	0.350	0.257	
3000	0.182	0.126	0.605	0.418	0.404	0.279	0.303	0.209	
3200	0.159	0.103	0.528	0.345	0.352	0.230	0.264	0.172	

Where strength matters





Design Capacity Tables - AS/NZS 1170.2

Junction Stud - JS 75x50x0.75 - 550MPa Steel Grade

SINGLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	14.870	41.460	49.567	138.200	33.044
600	6.611	12.280	22.037	40.933	14.691	27.289	11.018	20.467	
800	3.718	5.183	12.393	17.277	8.262	11.518	6.197	8.638	
1000	2.380	2.654	7.933	8.847	5.289	5.898	3.967	4.423	
1200	1.653	1.536	5.510	5.120	3.673	3.413	2.755	2.560	
1400	1.214	0.967	4.047	3.223	2.698	2.149	2.023	1.612	
1600	0.930	0.648	3.099	2.159	2.066	1.440	1.550	1.080	
1800	0.735	0.455	2.448	1.517	1.632	1.011	1.224	0.758	
2000	0.595	0.332	1.983	1.106	1.322	0.737	0.992	0.553	
2200	0.492	0.249	1.639	0.831	1.093	0.554	0.820	0.415	
2400	0.413	0.192	1.377	0.640	0.918	0.426	0.689	0.320	
2600	0.352	0.151	1.173	0.503	0.782	0.336	0.587	0.252	
2800	0.304	0.121	1.012	0.403	0.675	0.269	0.506	0.202	
3000	0.264	0.098	0.881	0.328	0.588	0.218	0.441	0.164	
3200	0.232	0.081	0.775	0.270	0.516	0.180	0.387	0.135	

DOUBLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	19.770	79.390	65.900	264.633	43.933
600	9.065	23.520	30.217	78.400	20.144	52.267	15.108	39.200	
800	5.157	9.924	17.190	33.080	11.460	22.053	8.595	16.540	
1000	3.318	5.081	11.060	16.937	7.373	11.291	5.530	8.468	
1200	2.311	2.941	7.703	9.803	5.136	6.536	3.852	4.902	
1400	1.701	1.852	5.670	6.173	3.780	4.116	2.835	3.087	
1600	1.290	1.241	4.300	4.137	2.867	2.758	2.150	2.068	
1800	0.999	0.871	3.331	2.904	2.220	1.936	1.665	1.452	
2000	0.792	0.635	2.640	2.117	1.760	1.411	1.320	1.059	
2200	0.639	0.477	2.131	1.591	1.421	1.060	1.066	0.795	
2400	0.524	0.368	1.746	1.225	1.164	0.817	0.873	0.613	
2600	0.434	0.289	1.447	0.964	0.964	0.642	0.723	0.482	
2800	0.363	0.232	1.210	0.772	0.807	0.514	0.605	0.386	
3000	0.306	0.188	1.021	0.627	0.680	0.418	0.510	0.314	
3200	0.260	0.155	0.866	0.517	0.577	0.345	0.433	0.259	

TRIPLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	24.330	120.000	81.100	400.000	54.067
600	11.390	35.550	37.967	118.500	25.311	79.000	18.983	59.250	
800	6.533	15.000	21.777	50.000	14.518	33.333	10.888	25.000	
1000	4.220	7.678	14.067	25.593	9.378	17.062	7.033	12.797	
1200	2.946	4.443	9.820	14.810	6.547	9.873	4.910	7.405	
1400	2.171	2.798	7.237	9.327	4.824	6.218	3.618	4.663	
1600	1.666	1.874	5.553	6.247	3.702	4.164	2.777	3.123	
1800	1.318	1.317	4.393	4.390	2.929	2.927	2.197	2.195	
2000	1.069	0.960	3.563	3.199	2.376	2.133	1.782	1.600	
2200	0.884	0.721	2.946	2.404	1.964	1.602	1.473	1.202	
2400	0.737	0.555	2.457	1.851	1.638	1.234	1.229	0.926	
2600	0.621	0.437	2.070	1.456	1.380	0.971	1.035	0.728	
2800	0.529	0.350	1.765	1.166	1.176	0.777	0.882	0.583	
3000	0.456	0.284	1.519	0.948	1.013	0.632	0.760	0.474	
3200	0.396	0.234	1.320	0.781	0.880	0.521	0.660	0.391	

Design Capacity Tables - AS/NZS 1170.2

Junction Stud - JS 120x35x0.75 - 550MPa Steel Grade

SINGLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	4.245	21.720	14.150	72.400	9.433
600	1.887	6.437	6.290	21.457	4.193	14.304	3.145	10.728	
800	1.061	2.715	3.537	9.050	2.358	6.033	1.768	4.525	
1000	0.679	1.390	2.264	4.633	1.510	3.089	1.132	2.317	
1200	0.472	0.805	1.572	2.682	1.048	1.788	0.786	1.341	
1400	0.347	0.507	1.155	1.689	0.770	1.126	0.578	0.845	
1600	0.265	0.339	0.884	1.131	0.590	0.754	0.442	0.566	
1800	0.210	0.238	0.699	0.795	0.466	0.530	0.350	0.397	
2000	0.170	0.174	0.566	0.579	0.377	0.386	0.283	0.290	
2200	0.140	0.131	0.468	0.435	0.312	0.290	0.234	0.218	
2400	0.118	0.101	0.393	0.335	0.262	0.224	0.197	0.168	
2600	0.101	0.079	0.335	0.264	0.223	0.176	0.168	0.132	
2800	0.087	0.063	0.289	0.211	0.193	0.141	0.144	0.106	
3000	0.075	0.051	0.252	0.172	0.168	0.114	0.126	0.086	
3200	0.066	0.042	0.221	0.141	0.147	0.094	0.111	0.071	

DOUBLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	5.337	52.380	17.790	174.600	11.860
600	2.380	15.520	7.933	51.733	5.289	34.489	3.967	25.867	
800	1.341	6.548	4.470	21.827	2.980	14.551	2.235	10.913	
1000	0.859	3.352	2.862	11.173	1.908	7.449	1.431	5.587	
1200	0.596	1.940	1.988	6.467	1.325	4.311	0.994	3.233	
1400	0.438	1.222	1.461	4.073	0.974	2.716	0.731	2.037	
1600	0.336	0.819	1.119	2.728	0.746	1.819	0.559	1.364	
1800	0.265	0.575	0.884	1.916	0.589	1.278	0.442	0.958	
2000	0.215	0.419	0.716	1.397	0.477	0.931	0.358	0.699	
2200	0.178	0.315	0.592	1.049	0.394	0.700	0.296	0.525	
2400	0.149	0.243	0.497	0.808	0.332	0.539	0.249	0.404	
2600	0.127	0.191	0.424	0.636	0.282	0.424	0.212	0.318	
2800	0.110	0.153	0.365	0.509	0.244	0.339	0.183	0.255	
3000	0.095	0.124	0.318	0.414	0.212	0.276	0.159	0.207	
3200	0.084	0.102	0.280	0.341	0.187	0.227	0.140	0.171	

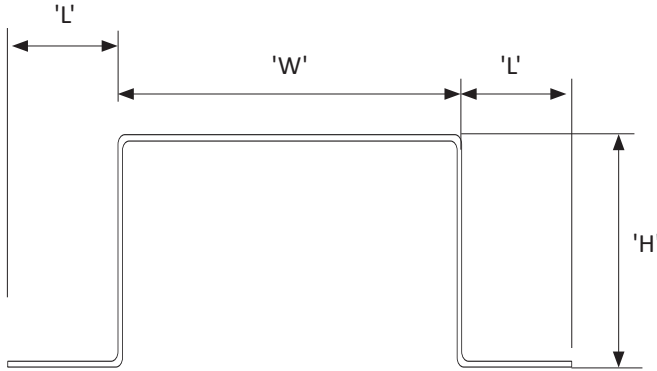
TRIPLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	6.633	41.600	22.110	138.667	14.740
600	2.948	12.330	9.827	41.100	6.551	27.400	4.913	20.550	
800	1.658	5.200	5.527	17.333	3.684	11.556	2.763	8.667	
1000	1.061	2.662	3.537	8.873	2.358	5.916	1.768	4.437	
1200	0.737	1.541	2.457	5.137	1.638	3.424	1.229	2.568	
1400	0.542	0.970	1.805	3.234	1.203	2.156	0.903	1.617	
1600	0.415	0.650	1.382	2.167	0.921	1.444	0.691	1.083	
1800	0.328	0.457	1.092	1.522	0.728	1.014	0.546	0.761	
2000	0.265	0.333	0.885	1.109	0.590	0.740	0.442	0.555	
2200	0.219	0.250	0.731	0.833	0.487	0.556	0.366	0.417	
2400	0.184	0.193	0.614	0.642	0.409	0.428	0.307	0.321	
2600	0.155	0.152	0.517	0.505	0.345	0.337	0.259	0.253	
2800	0.132	0.121	0.440	0.404	0.294	0.270	0.220	0.202	
3000	0.114	0.099	0.379	0.329	0.252	0.219	0.189	0.164	
3200	0.098	0.081	0.328	0.271	0.219	0.181	0.164	0.135	

Where strength matters



Where strength matters

Member Schedule – Junction Studs



DESCRIPTION	Steel Grade (AS1397)	Nom Width "W"	Nom Height "H"	Leg Return "L"	BMT
		W	H	L	
JS50x15-1.15	G250	50	15	14	1.15
JS50x24-1.15	G250	50	24	18	1.15
JS50x35-1.15	G250	50	35	19	1.15
JS50x50-1.15	G250	50	50	17	1.15
JS75x15-1.15	G250	75	15	15	1.15
JS75x24-1.15	G250	75	24	17	1.15
JS75x35-1.15	G250	75	35	20	1.15
JS75x50-1.15	G250	75	50	20	1.15
JS120x35-1.15	G250	120	35	20	1.15



Design Capacity Tables - AS/NZS 1170.2

Junction Stud - JS 50x15x1.15 - 250MPa Steel Grade

SINGLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	1.153	2.848	3.843	9.493	2.562
600	0.512	0.844	1.708	2.813	1.139	1.875	0.854	1.406	
800	0.288	0.356	0.961	1.187	0.640	0.791	0.480	0.593	
1000	0.184	0.182	0.615	0.608	0.410	0.405	0.307	0.304	
1200	0.128	0.106	0.427	0.352	0.285	0.234	0.214	0.176	
1400	0.094	0.066	0.314	0.221	0.209	0.148	0.157	0.111	
1600	0.072	0.045	0.240	0.148	0.160	0.099	0.120	0.074	
1800	0.057	0.031	0.190	0.104	0.127	0.069	0.095	0.052	
2000	0.046	0.023	0.154	0.076	0.102	0.051	0.077	0.038	
2200	0.038	0.017	0.127	0.057	0.085	0.038	0.064	0.029	
2400	0.032	0.013	0.107	0.044	0.071	0.029	0.053	0.022	
2600	0.027	0.010	0.091	0.035	0.061	0.023	0.045	0.017	
2800	0.024	0.008	0.078	0.028	0.052	0.018	0.039	0.014	
3000	0.020	0.007	0.068	0.023	0.046	0.015	0.034	0.011	
3200	0.018	0.006	0.060	0.019	0.040	0.012	0.030	0.009	

DOUBLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	1.147	6.867	3.823	22.890	2.549
600	0.511	2.035	1.704	6.783	1.136	4.522	0.852	3.392	
800	0.288	0.858	0.960	2.861	0.640	1.908	0.480	1.431	
1000	0.184	0.440	0.614	1.465	0.410	0.977	0.307	0.733	
1200	0.128	0.254	0.427	0.848	0.284	0.565	0.213	0.424	
1400	0.094	0.160	0.314	0.534	0.209	0.356	0.157	0.267	
1600	0.072	0.107	0.240	0.358	0.160	0.238	0.120	0.179	
1800	0.057	0.075	0.190	0.251	0.126	0.167	0.095	0.126	
2000	0.046	0.055	0.154	0.183	0.102	0.122	0.077	0.092	
2200	0.038	0.041	0.127	0.138	0.085	0.092	0.064	0.069	
2400	0.032	0.032	0.107	0.106	0.071	0.071	0.053	0.053	
2600	0.027	0.025	0.091	0.083	0.061	0.056	0.045	0.042	
2800	0.024	0.020	0.078	0.067	0.052	0.044	0.039	0.033	
3000	0.020	0.016	0.068	0.054	0.046	0.036	0.034	0.027	
3200	0.018	0.013	0.060	0.045	0.040	0.030	0.030	0.022	

TRIPLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	1.431	5.453	4.770	18.177	3.180
600	0.639	1.616	2.128	5.387	1.419	3.591	1.064	2.693	
800	0.360	0.682	1.199	2.272	0.799	1.515	0.599	1.136	
1000	0.230	0.349	0.768	1.163	0.512	0.776	0.384	0.582	
1200	0.160	0.202	0.533	0.673	0.356	0.449	0.267	0.337	
1400	0.118	0.127	0.392	0.424	0.261	0.283	0.196	0.212	
1600	0.090	0.085	0.300	0.284	0.200	0.189	0.150	0.142	
1800	0.071	0.060	0.237	0.200	0.158	0.133	0.119	0.100	
2000	0.058	0.044	0.192	0.145	0.128	0.097	0.096	0.073	
2200	0.048	0.033	0.159	0.109	0.106	0.073	0.079	0.055	
2400	0.040	0.025	0.133	0.084	0.089	0.056	0.067	0.042	
2600	0.034	0.020	0.114	0.066	0.076	0.044	0.057	0.033	
2800	0.029	0.016	0.098	0.053	0.065	0.035	0.049	0.027	
3000	0.026	0.013	0.085	0.043	0.057	0.029	0.043	0.022	
3200	0.023	0.011	0.075	0.036	0.050	0.024	0.038	0.018	

Where strength matters





Design Capacity Tables - AS/NZS 1170.2

Junction Stud - JS 50x24x1.15 - 250MPa Steel Grade

SINGLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	4.307	9.588	14.357	31.960	9.571
600	1.914	2.841	6.380	9.470	4.253	6.313	3.190	4.735	
800	1.077	1.198	3.590	3.993	2.393	2.662	1.795	1.997	
1000	0.689	0.614	2.297	2.045	1.531	1.364	1.149	1.023	
1200	0.479	0.355	1.595	1.184	1.063	0.789	0.798	0.592	
1400	0.352	0.224	1.172	0.745	0.781	0.497	0.586	0.373	
1600	0.269	0.150	0.897	0.499	0.598	0.333	0.449	0.250	
1800	0.213	0.105	0.709	0.351	0.473	0.234	0.355	0.175	
2000	0.172	0.077	0.574	0.256	0.383	0.170	0.287	0.128	
2200	0.142	0.058	0.475	0.192	0.316	0.128	0.237	0.096	
2400	0.120	0.044	0.399	0.148	0.266	0.099	0.199	0.074	
2600	0.102	0.035	0.340	0.116	0.226	0.078	0.170	0.058	
2800	0.088	0.028	0.293	0.093	0.195	0.062	0.146	0.047	
3000	0.077	0.023	0.255	0.076	0.170	0.051	0.128	0.038	
3200	0.067	0.019	0.224	0.062	0.150	0.042	0.112	0.031	

DOUBLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	4.234	23.120	14.113	77.067	9.409
600	1.899	6.850	6.330	22.833	4.220	15.222	3.165	11.417	
800	1.072	2.890	3.573	9.633	2.382	6.422	1.787	4.817	
1000	0.687	1.480	2.290	4.933	1.527	3.289	1.145	2.467	
1200	0.478	0.856	1.592	2.854	1.061	1.903	0.796	1.427	
1400	0.351	0.539	1.170	1.797	0.780	1.198	0.585	0.899	
1600	0.269	0.361	0.896	1.204	0.598	0.803	0.448	0.602	
1800	0.213	0.254	0.708	0.846	0.472	0.564	0.354	0.423	
2000	0.172	0.185	0.574	0.617	0.382	0.411	0.287	0.308	
2200	0.142	0.139	0.474	0.463	0.316	0.309	0.237	0.232	
2400	0.120	0.107	0.399	0.357	0.266	0.238	0.199	0.178	
2600	0.102	0.084	0.340	0.281	0.226	0.187	0.170	0.140	
2800	0.088	0.067	0.293	0.225	0.195	0.150	0.146	0.112	
3000	0.076	0.055	0.255	0.183	0.170	0.122	0.127	0.091	
3200	0.067	0.045	0.223	0.151	0.148	0.100	0.111	0.075	

TRIPLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	5.254	18.360	17.513	61.200	11.676
600	2.366	5.440	7.887	18.133	5.258	12.089	3.943	9.067	
800	1.337	2.295	4.457	7.650	2.971	5.100	2.228	3.825	
1000	0.858	1.175	2.860	3.917	1.906	2.611	1.430	1.958	
1200	0.597	0.680	1.988	2.267	1.326	1.511	0.994	1.133	
1400	0.439	0.428	1.462	1.427	0.974	0.952	0.731	0.714	
1600	0.336	0.287	1.120	0.956	0.746	0.638	0.560	0.478	
1800	0.266	0.202	0.885	0.672	0.590	0.448	0.443	0.336	
2000	0.215	0.147	0.717	0.490	0.478	0.326	0.359	0.245	
2200	0.178	0.110	0.593	0.368	0.395	0.245	0.296	0.184	
2400	0.149	0.085	0.497	0.283	0.332	0.189	0.249	0.142	
2600	0.126	0.067	0.421	0.223	0.280	0.149	0.210	0.111	
2800	0.108	0.054	0.360	0.178	0.240	0.119	0.180	0.089	
3000	0.094	0.044	0.312	0.145	0.208	0.097	0.156	0.073	
3200	0.082	0.036	0.272	0.120	0.181	0.080	0.136	0.060	

Design Capacity Tables - AS/NZS 1170.2

Junction Stud - JS 50x35x1.15 - 250MPa Steel Grade

SINGLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	12.140	22.970	40.467	76.567	26.978
600	5.397	6.806	17.990	22.687	11.993	15.124	8.995	11.343	
800	3.036	2.871	10.120	9.570	6.747	6.380	5.060	4.785	
1000	1.943	1.470	6.477	4.900	4.318	3.267	3.238	2.450	
1200	1.349	0.851	4.497	2.836	2.998	1.890	2.248	1.418	
1400	0.991	0.536	3.304	1.786	2.203	1.190	1.652	0.893	
1600	0.759	0.359	2.530	1.196	1.687	0.798	1.265	0.598	
1800	0.600	0.252	1.999	0.840	1.333	0.560	1.000	0.420	
2000	0.486	0.184	1.619	0.613	1.079	0.408	0.810	0.306	
2200	0.401	0.138	1.338	0.460	0.892	0.307	0.669	0.230	
2400	0.337	0.106	1.124	0.354	0.750	0.236	0.562	0.177	
2600	0.287	0.084	0.958	0.279	0.639	0.186	0.479	0.139	
2800	0.248	0.067	0.826	0.223	0.551	0.149	0.413	0.112	
3000	0.216	0.054	0.720	0.182	0.480	0.121	0.360	0.091	
3200	0.190	0.045	0.632	0.150	0.422	0.100	0.316	0.075	

DOUBLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	11.530	55.390	38.433	184.633	25.622
600	5.271	16.410	17.570	54.700	11.713	36.467	8.785	27.350	
800	2.995	6.923	9.983	23.077	6.656	15.384	4.992	11.538	
1000	1.926	3.545	6.420	11.817	4.280	7.878	3.210	5.908	
1200	1.341	2.051	4.470	6.837	2.980	4.558	2.235	3.418	
1400	0.987	1.292	3.290	4.307	2.193	2.871	1.645	2.153	
1600	0.756	0.865	2.521	2.885	1.681	1.923	1.261	1.442	
1800	0.598	0.608	1.994	2.026	1.329	1.351	0.997	1.013	
2000	0.485	0.443	1.616	1.477	1.077	0.985	0.808	0.739	
2200	0.396	0.333	1.319	1.110	0.880	0.740	0.660	0.555	
2400	0.328	0.256	1.094	0.855	0.729	0.570	0.547	0.427	
2600	0.276	0.202	0.920	0.672	0.614	0.448	0.460	0.336	
2800	0.235	0.162	0.784	0.538	0.522	0.359	0.392	0.269	
3000	0.202	0.131	0.674	0.438	0.450	0.292	0.337	0.219	
3200	0.176	0.108	0.585	0.361	0.390	0.240	0.293	0.180	

TRIPLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	14.110	43.980	47.033	146.600	31.356
600	6.522	13.030	21.740	43.433	14.493	28.956	10.870	21.717	
800	3.722	5.498	12.407	18.327	8.271	12.218	6.203	9.163	
1000	2.399	2.815	7.997	9.383	5.331	6.256	3.998	4.692	
1200	1.672	1.629	5.573	5.430	3.716	3.620	2.787	2.715	
1400	1.231	1.026	4.103	3.420	2.736	2.280	2.052	1.710	
1600	0.944	0.687	3.147	2.291	2.098	1.527	1.574	1.146	
1800	0.743	0.483	2.477	1.609	1.651	1.073	1.239	0.805	
2000	0.592	0.352	1.973	1.173	1.315	0.782	0.987	0.587	
2200	0.481	0.264	1.604	0.881	1.069	0.588	0.802	0.441	
2400	0.398	0.204	1.326	0.679	0.884	0.452	0.663	0.339	
2600	0.334	0.160	1.112	0.534	0.741	0.356	0.556	0.267	
2800	0.283	0.128	0.944	0.427	0.629	0.285	0.472	0.214	
3000	0.243	0.104	0.810	0.348	0.540	0.232	0.405	0.174	
3200	0.211	0.086	0.702	0.286	0.468	0.191	0.351	0.143	

Where strength matters





Design Capacity Tables - AS/NZS 1170.2

Junction Stud - JS 50x50x1.15 - 250MPa Steel Grade

SINGLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	32.750	50.960	109.167	169.867	72.778
600	14.560	15.100	48.533	50.333	32.356	33.556	24.267	25.167	
800	8.188	6.371	27.293	21.237	18.196	14.158	13.647	10.618	
1000	5.240	3.262	17.467	10.873	11.644	7.249	8.733	5.437	
1200	3.639	1.887	12.130	6.290	8.087	4.193	6.065	3.145	
1400	2.673	1.189	8.910	3.963	5.940	2.642	4.455	1.982	
1600	2.047	0.796	6.823	2.654	4.549	1.770	3.412	1.327	
1800	1.617	0.559	5.390	1.864	3.593	1.243	2.695	0.932	
2000	1.310	0.408	4.367	1.359	2.911	0.906	2.183	0.680	
2200	1.083	0.306	3.610	1.021	2.407	0.681	1.805	0.511	
2400	0.910	0.236	3.032	0.787	2.022	0.524	1.516	0.393	
2600	0.775	0.186	2.584	0.619	1.723	0.412	1.292	0.309	
2800	0.668	0.149	2.228	0.495	1.485	0.330	1.114	0.248	
3000	0.582	0.121	1.941	0.403	1.294	0.268	0.970	0.201	
3200	0.512	0.100	1.706	0.332	1.137	0.221	0.853	0.166	

DOUBLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	28.190	122.900	93.967	409.667	62.644
600	13.540	36.410	45.133	121.367	30.089	80.911	22.567	60.683	
800	7.852	15.360	26.173	51.200	17.449	34.133	13.087	25.600	
1000	5.100	7.865	17.000	26.217	11.333	17.478	8.500	13.108	
1200	3.570	4.552	11.900	15.173	7.933	10.116	5.950	7.587	
1400	2.636	2.866	8.787	9.553	5.858	6.369	4.393	4.777	
1600	2.014	1.920	6.713	6.400	4.476	4.267	3.357	3.200	
1800	1.554	1.348	5.180	4.493	3.453	2.996	2.590	2.247	
2000	1.229	0.983	4.097	3.277	2.731	2.185	2.048	1.639	
2200	0.991	0.739	3.304	2.462	2.202	1.641	1.652	1.231	
2400	0.812	0.569	2.707	1.896	1.805	1.264	1.354	0.948	
2600	0.675	0.448	2.248	1.492	1.499	0.994	1.124	0.746	
2800	0.567	0.358	1.889	1.194	1.259	0.796	0.945	0.597	
3000	0.481	0.291	1.603	0.971	1.069	0.647	0.802	0.486	
3200	0.412	0.240	1.372	0.800	0.915	0.533	0.686	0.400	

TRIPLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	33.390	97.590	111.300	325.300	74.200
600	16.450	28.920	54.833	96.400	36.556	64.267	27.417	48.200	
800	9.646	12.200	32.153	40.667	21.436	27.111	16.077	20.333	
1000	6.301	6.246	21.003	20.820	14.002	13.880	10.502	10.410	
1200	4.426	3.614	14.753	12.047	9.836	8.031	7.377	6.023	
1400	3.275	2.276	10.917	7.587	7.278	5.058	5.458	3.793	
1600	2.459	1.525	8.197	5.083	5.464	3.389	4.098	2.542	
1800	1.887	1.071	6.290	3.570	4.193	2.380	3.145	1.785	
2000	1.483	0.781	4.943	2.602	3.296	1.735	2.472	1.301	
2200	1.187	0.587	3.957	1.955	2.638	1.304	1.978	0.978	
2400	0.966	0.452	3.219	1.506	2.146	1.004	1.610	0.753	
2600	0.796	0.355	2.653	1.185	1.769	0.790	1.327	0.592	
2800	0.663	0.285	2.211	0.948	1.474	0.632	1.106	0.474	
3000	0.558	0.231	1.861	0.771	1.240	0.514	0.930	0.386	
3200	0.474	0.191	1.579	0.635	1.053	0.424	0.790	0.318	

Design Capacity Tables - AS/NZS 1170.2

Junction Stud - JS 75x15x1.15 - 250MPa Steel Grade

SINGLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	0.807	3.447	2.688	11.490	1.792
600	0.358	1.021	1.195	3.403	0.796	2.269	0.597	1.702	
800	0.202	0.431	0.672	1.436	0.448	0.958	0.336	0.718	
1000	0.129	0.221	0.430	0.735	0.287	0.490	0.215	0.368	
1200	0.090	0.128	0.299	0.426	0.199	0.284	0.149	0.213	
1400	0.066	0.080	0.219	0.268	0.146	0.179	0.110	0.134	
1600	0.050	0.054	0.168	0.180	0.112	0.120	0.084	0.090	
1800	0.040	0.038	0.133	0.126	0.089	0.084	0.066	0.063	
2000	0.032	0.028	0.108	0.092	0.072	0.061	0.054	0.046	
2200	0.027	0.021	0.089	0.069	0.059	0.046	0.044	0.035	
2400	0.022	0.016	0.075	0.053	0.050	0.035	0.037	0.027	
2600	0.019	0.013	0.064	0.042	0.042	0.028	0.032	0.021	
2800	0.016	0.010	0.055	0.034	0.037	0.022	0.027	0.017	
3000	0.014	0.008	0.048	0.027	0.032	0.018	0.024	0.014	
3200	0.013	0.007	0.042	0.022	0.028	0.015	0.021	0.011	

DOUBLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	0.882	8.312	2.941	27.707	1.961
600	0.393	2.463	1.309	8.210	0.873	5.473	0.655	4.105	
800	0.221	1.039	0.737	3.463	0.491	2.309	0.368	1.732	
1000	0.142	0.532	0.472	1.773	0.314	1.182	0.236	0.887	
1200	0.098	0.308	0.328	1.026	0.218	0.684	0.164	0.513	
1400	0.072	0.194	0.241	0.646	0.160	0.431	0.120	0.323	
1600	0.055	0.130	0.184	0.433	0.123	0.289	0.092	0.217	
1800	0.044	0.091	0.146	0.304	0.097	0.203	0.073	0.152	
2000	0.035	0.067	0.118	0.222	0.079	0.148	0.059	0.111	
2200	0.029	0.050	0.098	0.167	0.065	0.111	0.049	0.083	
2400	0.025	0.038	0.082	0.128	0.055	0.086	0.041	0.064	
2600	0.021	0.030	0.070	0.101	0.047	0.067	0.035	0.050	
2800	0.018	0.024	0.060	0.081	0.040	0.054	0.030	0.040	
3000	0.016	0.020	0.052	0.066	0.035	0.044	0.026	0.033	
3200	0.014	0.016	0.046	0.054	0.031	0.036	0.023	0.027	

TRIPLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	1.102	6.601	3.673	22.003	2.449
600	0.491	1.956	1.636	6.520	1.090	4.347	0.818	3.260	
800	0.276	0.825	0.921	2.751	0.614	1.834	0.460	1.375	
1000	0.177	0.423	0.589	1.408	0.393	0.939	0.295	0.704	
1200	0.123	0.245	0.409	0.815	0.273	0.543	0.205	0.408	
1400	0.090	0.154	0.301	0.513	0.201	0.342	0.150	0.257	
1600	0.069	0.103	0.230	0.344	0.154	0.229	0.115	0.172	
1800	0.055	0.072	0.182	0.241	0.121	0.161	0.091	0.121	
2000	0.044	0.053	0.147	0.176	0.098	0.117	0.074	0.088	
2200	0.037	0.040	0.122	0.132	0.081	0.088	0.061	0.066	
2400	0.031	0.031	0.102	0.102	0.068	0.068	0.051	0.051	
2600	0.026	0.024	0.087	0.080	0.058	0.053	0.044	0.040	
2800	0.023	0.019	0.075	0.064	0.050	0.043	0.038	0.032	
3000	0.020	0.016	0.066	0.052	0.044	0.035	0.033	0.026	
3200	0.017	0.013	0.058	0.043	0.038	0.029	0.029	0.021	

Where strength matters





Design Capacity Tables - AS/NZS 1170.2

Junction Stud - JS 75x24x1.15 - 250MPa Steel Grade

SINGLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	2.706	11.000	9.020	36.667	6.013
600	1.202	3.260	4.007	10.867	2.671	7.244	2.003	5.433	
800	0.676	1.375	2.255	4.583	1.503	3.056	1.127	2.292	
1000	0.433	0.704	1.443	2.347	0.962	1.565	0.722	1.174	
1200	0.301	0.408	1.002	1.358	0.668	0.906	0.501	0.679	
1400	0.221	0.257	0.736	0.855	0.491	0.570	0.368	0.428	
1600	0.169	0.172	0.564	0.573	0.376	0.382	0.282	0.287	
1800	0.134	0.121	0.445	0.402	0.297	0.268	0.223	0.201	
2000	0.108	0.088	0.361	0.293	0.240	0.196	0.180	0.147	
2200	0.089	0.066	0.298	0.220	0.199	0.147	0.149	0.110	
2400	0.075	0.051	0.251	0.170	0.167	0.113	0.125	0.085	
2600	0.064	0.040	0.213	0.134	0.142	0.089	0.107	0.067	
2800	0.055	0.032	0.184	0.107	0.123	0.071	0.092	0.053	
3000	0.048	0.026	0.160	0.087	0.107	0.058	0.080	0.043	
3200	0.042	0.021	0.141	0.072	0.094	0.048	0.070	0.036	

DOUBLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	3.033	26.530	10.110	88.433	6.740
600	1.355	7.861	4.517	26.203	3.011	17.469	2.258	13.102	
800	0.763	3.316	2.544	11.053	1.696	7.369	1.272	5.527	
1000	0.489	1.698	1.629	5.660	1.086	3.773	0.815	2.830	
1200	0.340	0.983	1.132	3.275	0.755	2.184	0.566	1.638	
1400	0.250	0.619	0.832	2.062	0.555	1.375	0.416	1.031	
1600	0.191	0.415	0.637	1.382	0.425	0.921	0.319	0.691	
1800	0.151	0.291	0.503	0.970	0.336	0.647	0.252	0.485	
2000	0.122	0.212	0.408	0.707	0.272	0.472	0.204	0.354	
2200	0.101	0.160	0.337	0.532	0.225	0.354	0.169	0.266	
2400	0.085	0.123	0.283	0.409	0.189	0.273	0.142	0.205	
2600	0.072	0.097	0.241	0.322	0.161	0.215	0.121	0.161	
2800	0.062	0.077	0.208	0.258	0.139	0.172	0.104	0.129	
3000	0.054	0.063	0.181	0.210	0.121	0.140	0.091	0.105	
3200	0.048	0.052	0.159	0.173	0.106	0.115	0.080	0.086	

TRIPLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	3.777	21.070	12.590	70.233	8.393
600	1.690	6.242	5.633	20.807	3.756	13.871	2.817	10.403	
800	0.953	2.633	3.177	8.777	2.118	5.851	1.589	4.388	
1000	0.611	1.348	2.036	4.493	1.357	2.996	1.018	2.247	
1200	0.424	0.780	1.415	2.601	0.943	1.734	0.707	1.301	
1400	0.312	0.491	1.040	1.638	0.693	1.092	0.520	0.819	
1600	0.239	0.329	0.796	1.097	0.531	0.732	0.398	0.549	
1800	0.189	0.231	0.629	0.771	0.420	0.514	0.315	0.385	
2000	0.153	0.169	0.510	0.562	0.340	0.374	0.255	0.281	
2200	0.126	0.127	0.421	0.422	0.281	0.281	0.211	0.211	
2400	0.106	0.098	0.354	0.325	0.236	0.217	0.177	0.163	
2600	0.090	0.077	0.302	0.256	0.201	0.170	0.151	0.128	
2800	0.078	0.061	0.260	0.205	0.173	0.136	0.130	0.102	
3000	0.068	0.050	0.227	0.166	0.151	0.111	0.113	0.083	
3200	0.060	0.041	0.199	0.137	0.133	0.091	0.100	0.069	

Design Capacity Tables - AS/NZS 1170.2

Junction Stud - JS 75x35x1.15 - 250MPa Steel Grade

SINGLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	7.363	27.660	24.543	92.200	16.362
600	3.272	8.195	10.907	27.317	7.271	18.211	5.453	13.658	
800	1.841	3.457	6.137	11.523	4.091	7.682	3.068	5.762	
1000	1.178	1.770	3.927	5.900	2.618	3.933	1.963	2.950	
1200	0.818	1.024	2.727	3.413	1.818	2.276	1.364	1.707	
1400	0.601	0.645	2.004	2.150	1.336	1.434	1.002	1.075	
1600	0.460	0.432	1.534	1.441	1.023	0.960	0.767	0.720	
1800	0.364	0.304	1.212	1.012	0.808	0.674	0.606	0.506	
2000	0.295	0.221	0.982	0.738	0.654	0.492	0.491	0.369	
2200	0.243	0.166	0.811	0.554	0.541	0.370	0.406	0.277	
2400	0.205	0.128	0.682	0.427	0.454	0.285	0.341	0.214	
2600	0.174	0.101	0.581	0.336	0.387	0.224	0.291	0.168	
2800	0.150	0.081	0.501	0.269	0.334	0.179	0.251	0.134	
3000	0.131	0.066	0.436	0.219	0.291	0.146	0.218	0.109	
3200	0.115	0.054	0.383	0.180	0.256	0.120	0.192	0.090	

DOUBLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	8.085	66.690	26.950	222.300	17.967
600	3.643	19.760	12.143	65.867	8.096	43.911	6.072	32.933	
800	2.059	8.337	6.863	27.790	4.576	18.527	3.432	13.895	
1000	1.321	4.268	4.403	14.227	2.936	9.484	2.202	7.113	
1200	0.918	2.470	3.061	8.233	2.041	5.489	1.531	4.117	
1400	0.675	1.556	2.251	5.187	1.500	3.458	1.125	2.593	
1600	0.517	1.042	1.724	3.473	1.149	2.316	0.862	1.737	
1800	0.409	0.732	1.363	2.440	0.908	1.626	0.681	1.220	
2000	0.331	0.534	1.104	1.779	0.736	1.186	0.552	0.889	
2200	0.274	0.401	0.913	1.336	0.608	0.891	0.456	0.668	
2400	0.230	0.309	0.767	1.029	0.511	0.686	0.384	0.515	
2600	0.196	0.243	0.654	0.809	0.436	0.540	0.327	0.405	
2800	0.169	0.194	0.564	0.648	0.376	0.432	0.282	0.324	
3000	0.147	0.158	0.491	0.527	0.327	0.351	0.246	0.264	
3200	0.129	0.130	0.431	0.434	0.288	0.290	0.216	0.217	

TRIPLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	10.000	52.960	33.333	176.533	22.222
600	4.531	15.690	15.103	52.300	10.069	34.867	7.552	26.150	
800	2.567	6.620	8.557	22.067	5.704	14.711	4.278	11.033	
1000	1.648	3.390	5.493	11.300	3.662	7.533	2.747	5.650	
1200	1.147	1.962	3.823	6.540	2.549	4.360	1.912	3.270	
1400	0.843	1.235	2.811	4.117	1.874	2.744	1.405	2.058	
1600	0.646	0.828	2.153	2.759	1.436	1.839	1.077	1.379	
1800	0.511	0.581	1.702	1.937	1.135	1.292	0.851	0.969	
2000	0.414	0.424	1.379	1.412	0.920	0.942	0.690	0.706	
2200	0.342	0.318	1.140	1.061	0.760	0.707	0.570	0.531	
2400	0.288	0.245	0.958	0.817	0.639	0.545	0.479	0.409	
2600	0.245	0.193	0.817	0.643	0.544	0.429	0.408	0.322	
2800	0.210	0.154	0.700	0.515	0.467	0.343	0.350	0.257	
3000	0.182	0.126	0.605	0.418	0.404	0.279	0.303	0.209	
3200	0.159	0.103	0.528	0.345	0.352	0.230	0.264	0.172	

Where strength matters





Design Capacity Tables - AS/NZS 1170.2

Junction Stud - JS 75x50x1.15 - 250MPa Steel Grade

SINGLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	19.360	62.650	64.533	208.833	43.022
600	8.606	18.560	28.687	61.867	19.124	41.244	14.343	30.933	
800	4.841	7.832	16.137	26.107	10.758	17.404	8.068	13.053	
1000	3.098	4.010	10.327	13.367	6.884	8.911	5.163	6.683	
1200	2.152	2.320	7.173	7.733	4.782	5.156	3.587	3.867	
1400	1.581	1.461	5.270	4.870	3.513	3.247	2.635	2.435	
1600	1.210	0.979	4.033	3.263	2.689	2.175	2.017	1.632	
1800	0.956	0.688	3.187	2.292	2.125	1.528	1.594	1.146	
2000	0.775	0.501	2.582	1.671	1.721	1.114	1.291	0.835	
2200	0.640	0.377	2.134	1.255	1.422	0.837	1.067	0.628	
2400	0.538	0.290	1.793	0.967	1.195	0.644	0.897	0.483	
2600	0.458	0.228	1.528	0.760	1.018	0.507	0.764	0.380	
2800	0.395	0.183	1.317	0.609	0.878	0.406	0.659	0.305	
3000	0.344	0.149	1.147	0.495	0.765	0.330	0.574	0.248	
3200	0.303	0.122	1.008	0.408	0.672	0.272	0.504	0.204	

DOUBLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	20.010	151.100	66.700	503.667	44.467
600	9.236	44.760	30.787	149.200	20.524	99.467	15.393	74.600	
800	5.268	18.880	17.560	62.933	11.707	41.956	8.780	31.467	
1000	3.394	9.669	11.313	32.230	7.542	21.487	5.657	16.115	
1200	2.365	5.595	7.883	18.650	5.256	12.433	3.942	9.325	
1400	1.741	3.523	5.803	11.743	3.869	7.829	2.902	5.872	
1600	1.335	2.360	4.450	7.867	2.967	5.244	2.225	3.933	
1800	1.056	1.658	3.520	5.527	2.347	3.684	1.760	2.763	
2000	0.856	1.209	2.853	4.030	1.902	2.687	1.427	2.015	
2200	0.708	0.908	2.359	3.027	1.573	2.018	1.180	1.513	
2400	0.595	0.699	1.983	2.331	1.322	1.554	0.992	1.166	
2600	0.507	0.550	1.690	1.834	1.127	1.222	0.845	0.917	
2800	0.433	0.440	1.445	1.468	0.963	0.979	0.722	0.734	
3000	0.374	0.358	1.247	1.194	0.832	0.796	0.624	0.597	
3200	0.326	0.295	1.086	0.984	0.724	0.656	0.543	0.492	

TRIPLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	24.330	120.000	81.100	400.000	54.067
600	11.390	35.550	37.967	118.500	25.311	79.000	18.983	59.250	
800	6.533	15.000	21.777	50.000	14.518	33.333	10.888	25.000	
1000	4.220	7.678	14.067	25.593	9.378	17.062	7.033	12.797	
1200	2.946	4.443	9.820	14.810	6.547	9.873	4.910	7.405	
1400	2.171	2.798	7.237	9.327	4.824	6.218	3.618	4.663	
1600	1.666	1.874	5.553	6.247	3.702	4.164	2.777	3.123	
1800	1.318	1.317	4.393	4.390	2.929	2.927	2.197	2.195	
2000	1.069	0.960	3.563	3.199	2.376	2.133	1.782	1.600	
2200	0.884	0.721	2.946	2.404	1.964	1.602	1.473	1.202	
2400	0.737	0.555	2.457	1.851	1.638	1.234	1.229	0.926	
2600	0.621	0.437	2.070	1.456	1.380	0.971	1.035	0.728	
2800	0.529	0.350	1.765	1.166	1.176	0.777	0.882	0.583	
3000	0.456	0.284	1.519	0.948	1.013	0.632	0.760	0.474	
3200	0.396	0.234	1.320	0.781	0.880	0.521	0.660	0.391	

Design Capacity Tables - AS/NZS 1170.2

Junction Stud - JS 120x35x1.15 - 250MPa Steel Grade

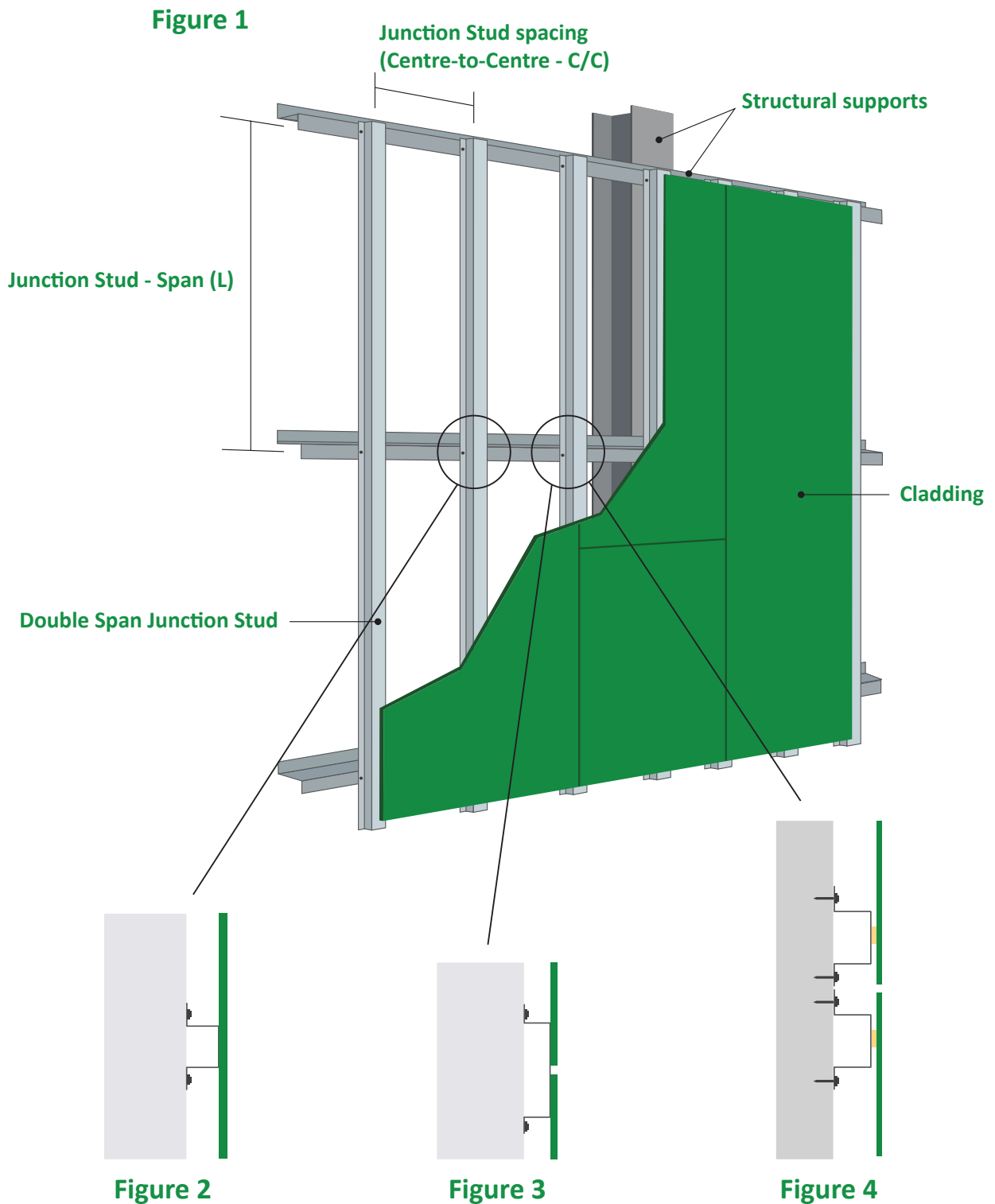
SINGLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	4.717	32.240	15.723	107.467	10.482
600	2.096	9.553	6.987	31.843	4.658	21.229	3.493	15.922	
800	1.179	4.030	3.930	13.433	2.620	8.956	1.965	6.717	
1000	0.755	2.063	2.516	6.877	1.677	4.584	1.258	3.438	
1200	0.524	1.194	1.747	3.980	1.165	2.653	0.874	1.990	
1400	0.385	0.752	1.284	2.507	0.856	1.671	0.642	1.253	
1600	0.295	0.504	0.983	1.679	0.655	1.120	0.491	0.840	
1800	0.233	0.354	0.776	1.179	0.518	0.786	0.388	0.590	
2000	0.189	0.258	0.629	0.860	0.419	0.573	0.315	0.430	
2200	0.156	0.194	0.520	0.646	0.346	0.431	0.260	0.323	
2400	0.131	0.149	0.437	0.498	0.291	0.332	0.218	0.249	
2600	0.112	0.117	0.372	0.391	0.248	0.261	0.186	0.196	
2800	0.096	0.094	0.321	0.313	0.214	0.209	0.160	0.157	
3000	0.084	0.076	0.280	0.255	0.186	0.170	0.140	0.127	
3200	0.074	0.063	0.246	0.210	0.164	0.140	0.123	0.105	

DOUBLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	5.269	77.740	17.563	259.133	11.709
600	2.356	23.030	7.853	76.767	5.236	51.178	3.927	38.383	
800	1.328	9.717	4.427	32.390	2.951	21.593	2.213	16.195	
1000	0.851	4.976	2.836	16.587	1.890	11.058	1.418	8.293	
1200	0.591	2.879	1.970	9.597	1.314	6.398	0.985	4.798	
1400	0.434	1.813	1.448	6.043	0.965	4.029	0.724	3.022	
1600	0.333	1.215	1.109	4.050	0.739	2.700	0.555	2.025	
1800	0.263	0.853	0.876	2.844	0.584	1.896	0.438	1.422	
2000	0.213	0.622	0.710	2.073	0.473	1.382	0.355	1.037	
2200	0.176	0.467	0.587	1.558	0.391	1.038	0.293	0.779	
2400	0.148	0.360	0.493	1.200	0.329	0.800	0.247	0.600	
2600	0.126	0.283	0.420	0.944	0.280	0.629	0.210	0.472	
2800	0.109	0.227	0.362	0.755	0.242	0.504	0.181	0.378	
3000	0.095	0.184	0.316	0.614	0.210	0.410	0.158	0.307	
3200	0.083	0.152	0.277	0.506	0.185	0.337	0.139	0.253	

TRIPLE SPAN	Span (L)	kN/m	L/360	300 C/C		450 C/C		600 C/C	
				Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
				400	6.556	61.730	21.853	205.767	14.569
600	2.939	18.290	9.797	60.967	6.531	40.644	4.898	30.483	
800	1.658	7.717	5.527	25.723	3.684	17.149	2.763	12.862	
1000	1.063	3.951	3.543	13.170	2.362	8.780	1.772	6.585	
1200	0.739	2.287	2.462	7.623	1.641	5.082	1.231	3.812	
1400	0.543	1.440	1.809	4.800	1.206	3.200	0.905	2.400	
1600	0.416	0.965	1.386	3.215	0.924	2.144	0.693	1.608	
1800	0.329	0.678	1.095	2.258	0.730	1.506	0.548	1.129	
2000	0.266	0.494	0.887	1.646	0.591	1.098	0.444	0.823	
2200	0.220	0.371	0.733	1.237	0.489	0.825	0.367	0.619	
2400	0.185	0.286	0.616	0.953	0.411	0.635	0.308	0.476	
2600	0.158	0.225	0.525	0.749	0.350	0.500	0.263	0.375	
2800	0.136	0.180	0.453	0.600	0.302	0.400	0.226	0.300	
3000	0.118	0.146	0.394	0.488	0.263	0.325	0.197	0.244	
3200	0.104	0.121	0.347	0.402	0.231	0.268	0.173	0.201	

Where strength matters





- Junction Stud legs screwed fixed to structural support with Hex Head screws.
- Screw fixing type and size to be confirmed by project engineer.
- Fixing of cladding to Junction Studs as per cladding manufacturer's recommendations.
- Larger width single Junction Stud or double Junction Stud required at cladding joints to provide sufficient edge distance to cladding.
- Edge distances requirements to Junction Stud and cladding sheet to be considered. Refer to project engineer and cladding manufacturer.
- Thermal expansion / contraction and movement allowances to be considered. Refer to cladding manufacturer requirements.

JUNCTION STUD - HOW-TO GUIDE USING AS 4055 TABLES

Project Considerations

Step 1

Determine the following parameters from project documentation, architectural plans and engineering information provided:

- Junction Stud size to suit cavity requirement.
- Overall wall height, and distance between structural supports.
- Design and Serviceability wind pressures as provided in project engineering notes, or provided by project engineer.
- Select appropriate Junction Stud design load table

Step 2 Example

- Wall height 2.8m
- Distance between structural supports, Span (L) 1.4m
- Cavity depth 35mm
- Wind pressure N3
- Distance between structural supports 1.4m

Step 3 Refer to Selection Table

- Apply Design Load Table JS 50x35x1.15 - Double Span
- Read down Span (L) column and select (L)
- Read across row to determine Centre-to-Centre (C/C) spacing and select the suitable C/C spacing.

Step 4 Solution applying Design Load Table JS 50x35x1.15 - Double Span:

- L = 1400mm
- Read across to 600 C/C
- 300 C/C Corner and 450 C/C General
- Apply JS 50x35x1.15 with Span (L) maximum 1400mm fixed vertically to structural supports in a double span arrangement (refer to Figure 1) and spaced vertically at 300mm centres in the Corner zones and 450mm centres in the General zones.

Note

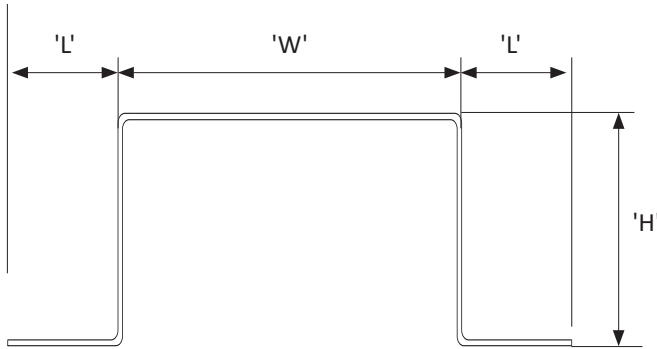
- Confirm hex head screw sizes for fixing Junction Studs to structural supports with project engineer.
- Fixing of cladding to Junction Stud as per the cladding manufacturer 's requirements.

JS 50x35x0.75 - Double Span (550MPa Steel Grade)												
Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
600	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	N6/C3	C4
800	C4	C4	C4	C4	C4	C4	N5/C2	C4	N6/C3	C4	N5/C2	N6/C3
1000	C4	C4	N5/C2	N6/C3	N5/C2	N6/C3	N4/C1	N5/C2	N5/C2	N5/C2	N3	N4/C1
1200	N5/C2	N6/C3	N4/C1	N5/C2	N4/C1	N5/C2	N3	N3	N3	N4/C1	N2	N3
1400	N5/C2	N4/C1	N3	N3	N3	N3	N2	N2	N3	N2	N2	N2
1600	N4/C1	N3	N3	N2	N3	N2	N2	N1	N2	N2	N1	N/A
1800	N3	N2	N2	N1	N2	N1	N1	N/A	N1	N/A	N/A	N/A
2000	N2	N2	N1	N/A	N1	N/A	N/A	N/A	N1	N/A	N/A	N/A
2200	N2	N1	N1	N/A	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2400	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2600	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2800	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

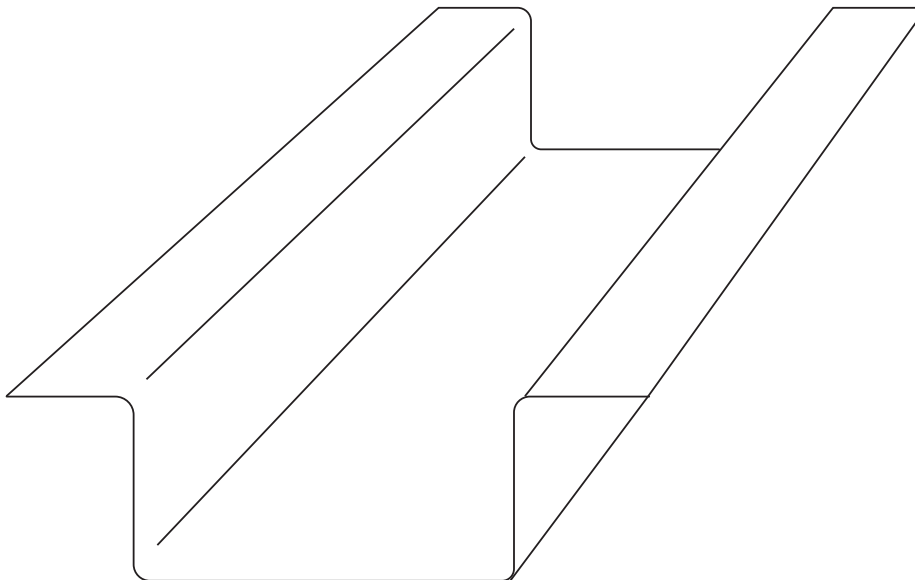
Where strength matters



Member Schedule – Junction Studs



DESCRIPTION	Steel Grade (AS1397)	Nom Width "W"	Nom Height "H"	Leg Return "L"	BMT
		W	H	L	
JS50x35-0.75	G550	50	35	18	0.75
JS50x50-0.75	G550	50	50	18	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



Design Capacity Tables - AS 4055

Junction Stud - JS 50x35x0.75 - 550MPa Steel Grade

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
600	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	N6/C3
800	C4	C4	C4	N5/C2	C4	N5/C2	N5/C2	N4/C1	N6/C3	N5/C2	N5/C2	N3
1000	N6/C3	N5/C2	N5/C2	N3	N5/C2	N3	N4/C1	N2	N4/C1	N3	N3	N2
1200	N5/C2	N3	N4/C1	N2	N4/C1	N2	N3	N1	N3	N1	N2	N/A
1400	N4/C1	N2	N3	N1	N3	N1	N2	N/A	N2	N/A	N2	N/A
1600	N4/C1	N1	N3	N/A	N3	N/A	N2	N/A	N2	N/A	N1	N/A
1800	N3	N/A	N2	N/A	N2	N/A	N1	N/A	N1	N/A	N/A	N/A
2000	N2	N/A	N2	N/A	N2	N/A	N/A	N/A	N1	N/A	N/A	N/A
2200	N2	N/A	N1	N/A	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2400	N2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2600	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2800	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
600	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	N6/C3
800	C4	C4	C4	C4	C4	C4	N5/C2	C4	N6/C3	C4	N5/C2	N6/C3
1000	C4	C4	N5/C2	N6/C3	N5/C2	N6/C3	N4/C1	N5/C2	N5/C2	N5/C2	N3	N4/C1
1200	N5/C2	N6/C3	N4/C1	N5/C2	N4/C1	N5/C2	N3	N3	N3	N4/C1	N2	N3
1400	N5/C2	N4/C1	N3	N3	N3	N3	N2	N2	N3	N2	N2	N2
1600	N4/C1	N3	N3	N2	N3	N2	N2	N1	N2	N2	N1	N/A
1800	N3	N2	N2	N1	N2	N1	N1	N/A	N1	N/A	N/A	N/A
2000	N2	N2	N1	N/A	N1	N/A	N/A	N/A	N1	N/A	N/A	N/A
2200	N2	N1	N1	N/A	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2400	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2600	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2800	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
600	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
800	C4	C4	C4	C4	C4	C4	N6/C3	N6/C3	N6/C3	C4	N5/C2	N5/C2
1000	C4	C4	N6/C3	N5/C2	N6/C3	N5/C2	N5/C2	N4/C1	N5/C2	N5/C2	N4/C1	N3
1200	N6/C3	N5/C2	N5/C2	N4/C1	N5/C2	N4/C1	N4/C1	N3	N4/C1	N3	N3	N2
1400	N5/C2	N4/C1	N4/C1	N3	N4/C1	N3	N3	N2	N3	N2	N2	N1
1600	N4/C1	N3	N3	N2	N3	N2	N2	N/A	N2	N1	N1	N/A
1800	N3	N2	N2	N1	N2	N1	N1	N/A	N2	N/A	N1	N/A
2000	N3	N1	N2	N/A	N2	N/A	N1	N/A	N1	N/A	N/A	N/A
2200	N2	N/A	N1	N/A	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2400	N2	N/A	N1	N/A	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2600	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2800	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Where strength matters





Design Capacity Tables - AS 4055

Junction Stud - JS 50x50x0.75 - 550MPa Steel Grade

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
600	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
800	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	N6/C3
1000	C4	C4	C4	N6/C3	C4	N6/C3	C4	N5/C2	C4	N5/C2	N6/C3	N4/C1
1200	C4	N5/C2	C4	N4/C1	C4	N4/C1	N6/C3	N3	N6/C3	N3	N5/C2	N2
1400	C4	N4/C1	N6/C3	N3	N6/C3	N3	N5/C2	N2	N5/C2	N2	N4/C1	N1
1600	N6/C3	N3	N5/C2	N2	N5/C2	N2	N4/C1	N1	N4/C1	N1	N3	N/A
1800	N6/C3	N2	N5/C2	N1	N5/C2	N1	N3	N/A	N4/C1	N/A	N3	N/A
2000	N5/C2	N1	N4/C1	N/A	N4/C1	N/A	N3	N/A	N3	N/A	N2	N/A
2200	N5/C2	N/A	N3	N/A	N3	N/A	N2	N/A	N3	N/A	N2	N/A
2400	N4/C1	N/A	N3	N/A	N3	N/A	N2	N/A	N2	N/A	N1	N/A
2600	N3	N/A	N2	N/A	N2	N/A	N2	N/A	N2	N/A	N1	N/A
2800	N3	N/A	N2	N/A	N2	N/A	N1	N/A	N1	N/A	N/A	N/A
3000	N3	N/A	N2	N/A	N2	N/A	N1	N/A	N1	N/A	N/A	N/A
3200	N2	N/A	N1	N/A	N1	N/A	N/A	N/A	N1	N/A	N/A	N/A

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
600	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
800	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
1000	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	N6/C3	N6/C3
1200	C4	C4	C4	C4	C4	C4	N6/C3	N6/C3	N6/C3	N6/C3	N5/C2	N5/C2
1400	C4	C4	N6/C3	N5/C2	N6/C3	N5/C2	N5/C2	N4/C1	N5/C2	N5/C2	N4/C1	N3
1600	N6/C3	N5/C2	N5/C2	N4/C1	N5/C2	N4/C1	N4/C1	N3	N4/C1	N3	N3	N2
1800	N5/C2	N4/C1	N4/C1	N3	N4/C1	N3	N3	N2	N3	N2	N2	N2
2000	N5/C2	N3	N4/C1	N2	N4/C1	N2	N2	N2	N3	N2	N2	N1
2200	N4/C1	N3	N3	N2	N3	N2	N2	N1	N2	N1	N1	N/A
2400	N3	N2	N2	N1	N2	N1	N1	N/A	N2	N/A	N1	N/A
2600	N3	N2	N2	N/A	N2	N/A	N1	N/A	N1	N/A	N/A	N/A
2800	N2	N1	N1	N/A	N1	N/A	N/A	N/A	N1	N/A	N/A	N/A
3000	N2	N/A	N1	N/A	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3200	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
600	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
800	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
1000	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	N6/C3
1200	C4	C4	C4	N6/C3	C4	N6/C3	N6/C3	N5/C2	C4	N5/C2	N5/C2	N4/C1
1400	C4	N6/C3	C4	N5/C2	C4	N5/C2	N5/C2	N3	N6/C3	N4/C1	N5/C2	N3
1600	C4	N5/C2	N6/C3	N4/C1	N6/C3	N4/C1	N5/C2	N2	N5/C2	N3	N4/C1	N2
1800	N6/C3	N4/C1	N5/C2	N3	N5/C2	N3	N4/C1	N2	N4/C1	N2	N3	N1
2000	N5/C2	N3	N4/C1	N2	N4/C1	N2	N3	N1	N3	N1	N2	N/A
2200	N5/C2	N2	N3	N1	N3	N1	N2	N/A	N3	N/A	N2	N/A
2400	N4/C1	N2	N3	N/A	N3	N/A	N2	N/A	N2	N/A	N1	N/A
2600	N3	N1	N2	N/A	N2	N/A	N1	N/A	N1	N/A	N/A	N/A
2800	N3	N/A	N2	N/A	N2	N/A	N/A	N/A	N1	N/A	N/A	N/A
3000	N2	N/A	N1	N/A	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3200	N2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Design Capacity Tables - AS 4055

Junction Stud - JS 75x35x0.75 - 550MPa Steel Grade

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
600	C4	C4	N6/C3	C4	N6/C3	C4	N5/C2	C4	N5/C2	C4	N4/C1	C4
800	N6/C3	C4	N5/C2	N6/C3	N5/C2	N6/C3	N3	N5/C2	N4/C1	N5/C2	N3	N4/C1
1000	N5/C2	N5/C2	N3	N4/C1	N3	N4/C1	N2	N3	N3	N3	N2	N2
1200	N3	N4/C1	N2	N3	N2	N3	N1	N2	N2	N2	N1	N1
1400	N3	N2	N2	N1	N2	N1	N/A	N/A	N1	N1	N/A	N/A
1600	N2	N1	N1	N/A	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1800	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2000	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2400	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2600	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2800	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
600	C4	C4	C4	C4	C4	C4	N6/C3	C4	C4	C4	N5/C2	C4
800	C4	C4	N6/C3	C4	N6/C3	C4	N5/C2	C4	N5/C2	C4	N4/C1	N6/C3
1000	N5/C2	C4	N4/C1	N6/C3	N4/C1	N6/C3	N3	N5/C2	N3	N5/C2	N2	N4/C1
1200	N5/C2	N5/C2	N3	N4/C1	N3	N4/C1	N2	N3	N3	N3	N2	N2
1400	N3	N4/C1	N2	N3	N2	N3	N2	N2	N2	N2	N1	N1
1600	N3	N3	N2	N2	N2	N2	N1	N1	N1	N1	N/A	N/A
1800	N2	N2	N1	N1	N1	N1	N/A	N/A	N/A	N/A	N/A	N/A
2000	N2	N1	N1	N/A	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2200	N1	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2400	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2600	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2800	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
600	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	N6/C3	C4
800	C4	C4	N6/C3	C4	N6/C3	C4	N5/C2	C4	N5/C2	C4	N4/C1	C4
1000	N6/C3	C4	N5/C2	C4	N5/C2	C4	N4/C1	N6/C3	N4/C1	N6/C3	N3	N5/C2
1200	N5/C2	C4	N4/C1	N5/C2	N4/C1	N5/C2	N3	N4/C1	N3	N5/C2	N2	N3
1400	N4/C1	N5/C2	N3	N4/C1	N3	N4/C1	N2	N3	N2	N3	N1	N2
1600	N3	N4/C1	N2	N3	N2	N3	N1	N2	N2	N2	N1	N1
1800	N3	N3	N2	N2	N2	N2	N1	N1	N1	N2	N/A	N/A
2000	N2	N2	N1	N1	N1	N1	N/A	N/A	N/A	N/A	N/A	N/A
2200	N2	N2	N1	N1	N1	N1	N/A	N/A	N/A	N/A	N/A	N/A
2400	N1	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2600	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2800	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Where strength matters





Design Capacity Tables - AS 4055

Junction Stud - JS 75x50x0.75 - 550MPa Steel Grade

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
600	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
800	C4	C4	C4	C4	C4	C4	N6/C3	C4	C4	C4	N5/C2	N6/C3
1000	C4	C4	N6/C3	N6/C3	N6/C3	N6/C3	N5/C2	N5/C2	N5/C2	N5/C2	N4/C1	N4/C1
1200	N6/C3	N6/C3	N5/C2	N5/C2	N5/C2	N5/C2	N4/C1	N4/C1	N4/C1	N4/C1	N3	N3
1400	N5/C2	N5/C2	N4/C1	N3	N4/C1	N3	N3	N2	N3	N3	N2	N2
1600	N5/C2	N3	N3	N2	N3	N2	N2	N1	N3	N2	N2	N1
1800	N4/C1	N3	N3	N2	N3	N2	N2	N/A	N2	N1	N1	N/A
2000	N3	N2	N2	N1	N2	N1	N1	N/A	N2	N/A	N/A	N/A
2200	N3	N1	N2	N/A	N2	N/A	N1	N/A	N1	N/A	N/A	N/A
2400	N2	N/A	N1	N/A	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2600	N2	N/A	N1	N/A	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2800	N2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3000	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3200	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
600	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
800	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	N6/C3	C4
1000	C4	C4	C4	C4	C4	C4	N6/C3	C4	N6/C3	C4	N5/C2	N6/C3
1200	C4	C4	N6/C3	C4	N6/C3	C4	N5/C2	N5/C2	N5/C2	N6/C3	N4/C1	N5/C2
1400	N6/C3	C4	N5/C2	N5/C2	N5/C2	N5/C2	N4/C1	N4/C1	N4/C1	N5/C2	N3	N3
1600	N5/C2	N5/C2	N4/C1	N4/C1	N4/C1	N4/C1	N3	N3	N3	N3	N2	N2
1800	N5/C2	N4/C1	N3	N3	N3	N3	N2	N2	N3	N2	N2	N2
2000	N4/C1	N3	N3	N2	N3	N2	N2	N1	N2	N2	N1	N1
2200	N3	N3	N2	N2	N2	N2	N1	N1	N2	N1	N1	N/A
2400	N3	N2	N2	N1	N2	N1	N1	N/A	N1	N/A	N/A	N/A
2600	N2	N2	N2	N/A	N2	N/A	N/A	N/A	N1	N/A	N/A	N/A
2800	N2	N1	N1	N/A	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3000	N2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3200	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
600	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
800	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
1000	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	N6/C3	C4
1200	C4	C4	C4	C4	C4	C4	N5/C2	C4	N6/C3	C4	N5/C2	N6/C3
1400	C4	C4	N6/C3	C4	N6/C3	C4	N5/C2	N5/C2	N5/C2	N6/C3	N4/C1	N5/C2
1600	N6/C3	C4	N5/C2	N5/C2	N5/C2	N5/C2	N4/C1	N4/C1	N4/C1	N5/C2	N3	N3
1800	N5/C2	N5/C2	N4/C1	N4/C1	N4/C1	N4/C1	N3	N3	N3	N3	N2	N2
2000	N5/C2	N5/C2	N4/C1	N3	N4/C1	N3	N3	N2	N3	N3	N2	N2
2200	N4/C1	N4/C1	N3	N3	N3	N3	N2	N2	N2	N2	N2	N1
2400	N4/C1	N3	N3	N2	N3	N2	N2	N1	N2	N1	N1	N/A
2600	N3	N2	N2	N2	N2	N2	N1	N/A	N2	N1	N/A	N/A
2800	N3	N2	N2	N1	N2	N1	N1	N/A	N1	N/A	N/A	N/A
3000	N3	N1	N2	N/A	N2	N/A	N/A	N/A	N1	N/A	N/A	N/A
3200	N2	N1	N1	N/A	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Design Capacity Tables - AS 4055

Junction Stud - JS 120x35x0.75 - 550MPa Steel Grade

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	N6/C3	C4
600	C4	C4	N5/C2	C4	N5/C2	C4	N4/C1	C4	N5/C2	C4	N3	C4
800	N5/C2	C4	N4/C1	C4	N4/C1	C4	N3	N5/C2	N3	N6/C3	N2	N5/C2
1000	N4/C1	N6/C3	N3	N5/C2	N3	N5/C2	N2	N3	N2	N4/C1	N1	N3
1200	N3	N4/C1	N2	N3	N2	N3	N1	N2	N1	N2	N/A	N/A
1400	N2	N3	N1	N2	N1	N2	N/A	N/A	N/A	N/A	N/A	N/A
1600	N1	N2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1800	N1	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2400	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2600	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2800	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
600	C4	C4	N6/C3	C4	N6/C3	C4	N5/C2	C4	N5/C2	C4	N4/C1	C4
800	N6/C3	C4	N4/C1	C4	N4/C1	C4	N3	C4	N4/C1	C4	N2	C4
1000	N4/C1	C4	N3	C4	N3	C4	N2	N6/C3	N2	N6/C3	N1	N5/C2
1200	N3	C4	N2	N5/C2	N2	N5/C2	N1	N4/C1	N2	N5/C2	N/A	N/A
1400	N2	N5/C2	N2	N4/C1	N2	N4/C1	N/A	N/A	N1	N3	N/A	N/A
1600	N2	N4/C1	N1	N3	N1	N3	N/A	N/A	N/A	N/A	N/A	N/A
1800	N1	N3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2000	N1	N2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2400	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2600	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2800	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
600	C4	C4	C4	C4	C4	C4	N5/C2	C4	N6/C3	C4	N5/C2	C4
800	N6/C3	C4	N5/C2	C4	N5/C2	C4	N4/C1	C4	N4/C1	C4	N3	N6/C3
1000	N5/C2	C4	N4/C1	N6/C3	N4/C1	N6/C3	N3	N5/C2	N3	N5/C2	N2	N4/C1
1200	N4/C1	N6/C3	N3	N5/C2	N3	N5/C2	N2	N4/C1	N2	N4/C1	N1	N3
1400	N3	N5/C2	N2	N3	N2	N3	N1	N2	N1	N3	N/A	N/A
1600	N2	N3	N1	N2	N1	N2	N/A	N/A	N1	N2	N/A	N/A
1800	N2	N3	N1	N2	N1	N2	N/A	N/A	N/A	N/A	N/A	N/A
2000	N1	N2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2200	N1	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2400	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2600	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2800	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Where strength matters





Design Capacity Tables - AS 4055

Junction Stud - JS 50x35x1.15 - 250MPa Steel Grade

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
600	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
800	C4	C4	C4	C4	C4	C4	N6/C3	N5/C2	N6/C3	N6/C3	N5/C2	N5/C2
1000	C4	N6/C3	N5/C2	N5/C2	N5/C2	N5/C2	N4/C1	N3	N5/C2	N4/C1	N3	N3
1200	N6/C3	N4/C1	N5/C2	N3	N4/C1	N3	N3	N2	N4/C1	N2	N2	N1
1400	N5/C2	N3	N3	N2	N3	N2	N2	N1	N3	N1	N2	N/A
1600	N4/C1	N2	N3	N1	N3	N1	N2	N/A	N2	N/A	N1	N/A
1800	N3	N1	N2	N/A	N2	N/A	N1	N/A	N2	N/A	N/A	N/A
2000	N3	N/A	N2	N/A	N2	N/A	N1	N/A	N1	N/A	N/A	N/A
2200	N2	N/A	N1	N/A	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2400	N2	N/A	N1	N/A	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2600	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2800	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3000	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
600	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	N6/C3	C4
800	C4	C4	C4	C4	C4	C4	N6/C3	C4	N6/C3	C4	N5/C2	C4
1000	C4	C4	N5/C2	C4	N5/C2	C4	N4/C1	N6/C3	N5/C2	N6/C3	N3	N5/C2
1200	N6/C3	C4	N4/C1	N6/C3	N4/C1	N6/C3	N3	N5/C2	N4/C1	N5/C2	N2	N4/C1
1400	N5/C2	N5/C2	N3	N4/C1	N3	N4/C1	N2	N3	N3	N3	N2	N2
1600	N4/C1	N4/C1	N3	N3	N3	N3	N2	N2	N2	N2	N1	N2
1800	N3	N3	N2	N2	N2	N2	N1	N1	N2	N2	N/A	N/A
2000	N3	N2	N2	N2	N2	N2	N1	N/A	N1	N1	N/A	N/A
2200	N2	N2	N1	N1	N1	N1	N/A	N/A	N/A	N/A	N/A	N/A
2400	N2	N1	N1	N/A	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2600	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2800	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
600	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
800	C4	C4	C4	C4	C4	C4	N6/C3	C4	C4	C4	N5/C2	C4
1000	C4	C4	N6/C3	C4	N6/C3	C4	N5/C2	N5/C2	N5/C2	N6/C3	N4/C1	N5/C2
1200	N6/C3	N6/C3	N5/C2	N5/C2	N5/C2	N5/C2	N4/C1	N4/C1	N4/C1	N4/C1	N3	N3
1400	N5/C2	N5/C2	N4/C1	N4/C1	N4/C1	N4/C1	N3	N3	N3	N3	N2	N2
1600	N5/C2	N4/C1	N3	N3	N3	N3	N2	N2	N3	N2	N2	N1
1800	N4/C1	N3	N3	N2	N3	N2	N2	N1	N2	N1	N1	N/A
2000	N3	N2	N2	N1	N2	N1	N1	N/A	N2	N/A	N/A	N/A
2200	N3	N1	N2	N/A	N2	N/A	N1	N/A	N1	N/A	N/A	N/A
2400	N2	N/A	N1	N/A	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2600	N2	N/A	N1	N/A	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2800	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3000	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3200	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Design Capacity Tables - AS 4055

Junction Stud - JS 50x50x1.15 - 250MPa Steel Grade

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
600	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
800	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
1000	C4	C4	C4	C4	C4	C4	C4	N6/C3	C4	N6/C3	N6/C3	N5/C2
1200	C4	C4	C4	N5/C2	C4	N5/C2	N6/C3	N4/C1	C4	N5/C2	N5/C2	N3
1400	C4	N5/C2	C4	N4/C1	N6/C3	N4/C1	N5/C2	N3	N6/C3	N3	N4/C1	N2
1600	C4	N4/C1	N6/C3	N3	N6/C3	N3	N5/C2	N2	N5/C2	N2	N4/C1	N1
1800	N6/C3	N3	N5/C2	N2	N5/C2	N2	N4/C1	N1	N4/C1	N1	N3	N/A
2000	N5/C2	N2	N4/C1	N1	N4/C1	N1	N3	N/A	N3	N/A	N2	N/A
2200	N5/C2	N2	N4/C1	N/A	N4/C1	N/A	N3	N/A	N3	N/A	N2	N/A
2400	N5/C2	N1	N3	N/A	N3	N/A	N2	N/A	N3	N/A	N2	N/A
2600	N4/C1	N/A	N3	N/A	N3	N/A	N2	N/A	N2	N/A	N1	N/A
2800	N3	N/A	N2	N/A	N2	N/A	N2	N/A	N2	N/A	N1	N/A
3000	N3	N/A	N2	N/A	N2	N/A	N1	N/A	N2	N/A	N/A	N/A
3200	N3	N/A	N2	N/A	N2	N/A	N1	N/A	N1	N/A	N/A	N/A

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
600	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
800	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
1000	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	N6/C3	C4
1200	C4	C4	C4	C4	C4	C4	N6/C3	C4	N6/C3	C4	N5/C2	N6/C3
1400	C4	C4	N6/C3	C4	N6/C3	C4	N5/C2	N5/C2	N5/C2	N6/C3	N4/C1	N5/C2
1600	C4	C4	N6/C3	N5/C2	N6/C3	N5/C2	N5/C2	N4/C1	N5/C2	N5/C2	N4/C1	N3
1800	N6/C3	N6/C3	N5/C2	N5/C2	N5/C2	N4/C1	N4/C1	N3	N4/C1	N4/C1	N3	N2
2000	N5/C2	N5/C2	N4/C1	N3	N4/C1	N3	N3	N2	N3	N3	N2	N2
2200	N5/C2	N4/C1	N3	N3	N3	N3	N2	N2	N3	N2	N2	N1
2400	N4/C1	N3	N3	N2	N3	N2	N2	N1	N2	N1	N1	N/A
2600	N4/C1	N2	N2	N2	N2	N2	N2	N/A	N2	N1	N1	N/A
2800	N3	N2	N2	N1	N2	N1	N1	N/A	N1	N/A	N/A	N/A
3000	N3	N2	N2	N/A	N2	N/A	N1	N/A	N1	N/A	N/A	N/A
3200	N2	N1	N1	N/A	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
600	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
800	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
1000	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
1200	C4	C4	C4	C4	C4	C4	C4	N6/C3	C4	C4	N6/C3	N5/C2
1400	C4	C4	C4	N6/C3	C4	N6/C3	N6/C3	N5/C2	N6/C3	N5/C2	N5/C2	N4/C1
1600	C4	N6/C3	N6/C3	N5/C2	N6/C3	N5/C2	N5/C2	N4/C1	N5/C2	N4/C1	N4/C1	N3
1800	C4	N5/C2	N5/C2	N4/C1	N5/C2	N4/C1	N4/C1	N3	N5/C2	N3	N3	N2
2000	N6/C3	N4/C1	N5/C2	N3	N5/C2	N3	N3	N2	N4/C1	N2	N3	N1
2200	N5/C2	N3	N4/C1	N2	N4/C1	N2	N3	N1	N3	N2	N2	N/A
2400	N5/C2	N3	N3	N2	N3	N2	N2	N/A	N3	N1	N2	N/A
2600	N4/C1	N2	N3	N1	N3	N1	N2	N/A	N2	N/A	N1	N/A
2800	N3	N1	N2	N/A	N2	N/A	N2	N/A	N2	N/A	N1	N/A
3000	N3	N1	N2	N/A	N2	N/A	N1	N/A	N1	N/A	N/A	N/A
3200	N3	N/A	N2	N/A	N2	N/A	N1	N/A	N1	N/A	N/A	N/A

Where strength matters





Design Capacity Tables - AS 4055

Junction Stud - JS 75x35x1.15 - 250MPa Steel Grade

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
600	C4	C4	C4	C4	C4	C4	N6/C3	C4	N6/C3	C4	N5/C2	C4
800	C4	C4	N5/C2	C4	N5/C2	C4	N4/C1	N6/C3	N5/C2	N6/C3	N3	N5/C2
1000	N5/C2	N6/C3	N4/C1	N5/C2	N4/C1	N5/C2	N3	N4/C1	N3	N4/C1	N2	N3
1200	N4/C1	N5/C2	N3	N4/C1	N3	N4/C1	N2	N3	N2	N3	N1	N2
1400	N3	N3	N2	N2	N2	N2	N1	N1	N2	N2	N/A	N/A
1600	N3	N2	N2	N2	N2	N2	N/A	N/A	N1	N1	N/A	N/A
1800	N2	N2	N1	N/A	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2000	N2	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2200	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2400	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2600	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2800	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
600	C4	C4	C4	C4	C4	C4	N6/C3	C4	C4	C4	N5/C2	C4
800	C4	C4	N6/C3	C4	N6/C3	C4	N5/C2	C4	N5/C2	C4	N4/C1	C4
1000	N5/C2	C4	N4/C1	C4	N4/C1	C4	N3	C4	N3	C4	N2	N6/C3
1200	N5/C2	C4	N3	N6/C3	N3	N6/C3	N2	N5/C2	N3	N5/C2	N2	N4/C1
1400	N4/C1	N6/C3	N3	N5/C2	N3	N5/C2	N2	N4/C1	N2	N4/C1	N1	N3
1600	N3	N5/C2	N2	N4/C1	N2	N4/C1	N1	N3	N1	N3	N/A	N/A
1800	N2	N4/C1	N1	N3	N1	N3	N/A	N/A	N/A	N/A	N/A	N/A
2000	N2	N3	N1	N2	N1	N2	N/A	N/A	N/A	N/A	N/A	N/A
2200	N1	N2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2400	N1	N2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2600	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2800	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
600	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	N6/C3	C4
800	C4	C4	N6/C3	C4	N6/C3	C4	N5/C2	C4	N5/C2	C4	N4/C1	C4
1000	N6/C3	C4	N5/C2	C4	N5/C2	C4	N4/C1	N6/C3	N4/C1	N6/C3	N3	N5/C2
1200	N5/C2	C4	N4/C1	N5/C2	N4/C1	N5/C2	N3	N4/C1	N3	N5/C2	N2	N3
1400	N4/C1	N5/C2	N3	N4/C1	N3	N4/C1	N2	N3	N2	N3	N1	N2
1600	N3	N4/C1	N2	N3	N2	N3	N1	N2	N2	N2	N1	N1
1800	N3	N3	N2	N2	N2	N2	N1	N1	N1	N2	N/A	N/A
2000	N2	N2	N1	N1	N1	N1	N/A	N/A	N/A	N/A	N/A	N/A
2200	N2	N2	N1	N1	N1	N1	N/A	N/A	N/A	N/A	N/A	N/A
2400	N1	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2600	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2800	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Design Capacity Tables - AS 4055

Junction Stud - JS 75x50x1.15 - 250MPa Steel Grade

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
600	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
800	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	N6/C3
1000	C4	C4	C4	C4	C4	C4	N6/C3	C4	N6/C3	C4	N5/C2	N6/C3
1200	C4	C4	N6/C3	N6/C3	N6/C3	N6/C3	N5/C2	N5/C2	N5/C2	N5/C2	N4/C1	N4/C1
1400	N6/C3	N6/C3	N5/C2	N5/C2	N5/C2	N5/C2	N4/C1	N3	N4/C1	N4/C1	N3	N3
1600	N5/C2	N5/C2	N4/C1	N3	N4/C1	N3	N3	N2	N3	N3	N2	N2
1800	N5/C2	N4/C1	N3	N3	N3	N3	N2	N2	N3	N2	N2	N1
2000	N4/C1	N3	N3	N2	N3	N2	N2	N1	N2	N1	N1	N/A
2200	N3	N2	N2	N1	N2	N1	N1	N/A	N2	N/A	N1	N/A
2400	N3	N2	N2	N/A	N2	N/A	N1	N/A	N1	N/A	N/A	N/A
2600	N3	N1	N2	N/A	N2	N/A	N/A	N/A	N1	N/A	N/A	N/A
2800	N2	N/A	N1	N/A	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3000	N2	N/A	N1	N/A	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3200	N2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
600	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
800	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	N6/C3
1000	C4	C4	C4	C4	C4	C4	N6/C3	C4	N6/C3	C4	N5/C2	C4
1200	C4	C4	N6/C3	C4	N6/C3	C4	N5/C2	C4	N5/C2	C4	N4/C1	C4
1400	N6/C3	C4	N5/C2	C4	N5/C2	C4	N4/C1	N6/C3	N4/C1	N6/C3	N3	N5/C2
1600	N6/C3	C4	N4/C1	N6/C3	N4/C1	N6/C3	N3	N5/C2	N3	N5/C2	N2	N4/C1
1800	N5/C2	N6/C3	N4/C1	N5/C2	N4/C1	N5/C2	N3	N4/C1	N3	N4/C1	N2	N3
2000	N4/C1	N5/C2	N3	N4/C1	N3	N4/C1	N2	N3	N2	N3	N1	N2
2200	N4/C1	N5/C2	N3	N3	N3	N3	N2	N2	N2	N3	N1	N2
2400	N3	N4/C1	N2	N3	N2	N3	N1	N2	N2	N2	N/A	N/A
2600	N3	N3	N2	N2	N2	N2	N1	N1	N1	N1	N/A	N/A
2800	N2	N2	N2	N2	N2	N2	N/A	N/A	N1	N1	N/A	N/A
3000	N2	N2	N1	N1	N1	N1	N/A	N/A	N/A	N/A	N/A	N/A
3200	N2	N2	N1	N/A	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
600	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
800	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
1000	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
1200	C4	C4	C4	C4	C4	C4	N5/C2	C4	N6/C3	C4	N5/C2	N6/C3
1400	C4	C4	N6/C3	C4	N6/C3	C4	N5/C2	N5/C2	N5/C2	N6/C3	N4/C1	N5/C2
1600	N6/C3	C4	N5/C2	N5/C2	N5/C2	N5/C2	N4/C1	N4/C1	N4/C1	N5/C2	N3	N3
1800	N5/C2	N5/C2	N4/C1	N4/C1	N4/C1	N4/C1	N3	N3	N3	N3	N2	N2
2000	N5/C2	N5/C2	N4/C1	N3	N4/C1	N3	N3	N2	N3	N3	N2	N2
2200	N4/C1	N4/C1	N3	N3	N3	N3	N2	N2	N2	N2	N2	N1
2400	N4/C1	N3	N3	N2	N3	N2	N2	N1	N2	N1	N1	N/A
2600	N3	N2	N2	N2	N2	N2	N1	N/A	N2	N1	N/A	N/A
2800	N3	N2	N2	N1	N2	N1	N1	N/A	N1	N/A	N/A	N/A
3000	N3	N1	N2	N/A	N2	N/A	N/A	N/A	N1	N/A	N/A	N/A
3200	N2	N1	N1	N/A	N1	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Where strength matters





Design Capacity Tables - AS 4055

Junction Stud - JS 120x35x1.15 - 250MPa Steel Grade

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	N6/C3	C4
600	C4	C4	N6/C3	C4	N6/C3	C4	N5/C2	C4	N5/C2	C4	N4/C1	C4
800	N5/C2	C4	N4/C1	C4	N4/C1	C4	N3	C4	N3	C4	N2	N6/C3
1000	N4/C1	C4	N3	N6/C3	N3	N6/C3	N2	N5/C2	N2	N5/C2	N1	N4/C1
1200	N3	N5/C2	N2	N4/C1	N2	N4/C1	N1	N3	N1	N3	N/A	N/A
1400	N2	N4/C1	N1	N3	N1	N3	N/A	N/A	N/A	N/A	N/A	N/A
1600	N2	N3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
1800	N1	N2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2400	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2600	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2800	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	N6/C3	C4
600	C4	C4	N6/C3	C4	N6/C3	C4	N5/C2	C4	N5/C2	C4	N4/C1	C4
800	N5/C2	C4	N4/C1	C4	N4/C1	C4	N3	C4	N3	C4	N2	C4
1000	N4/C1	C4	N3	C4	N3	C4	N2	C4	N2	C4	N1	N6/C3
1200	N3	C4	N2	C4	N2	C4	N1	N5/C2	N2	N6/C3	N/A	N/A
1400	N2	C4	N2	N5/C2	N2	N5/C2	N/A	N/A	N1	N5/C2	N/A	N/A
1600	N2	N5/C2	N1	N4/C1	N1	N4/C1	N/A	N/A	N/A	N/A	N/A	N/A
1800	N1	N4/C1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2000	N1	N3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2400	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2600	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2800	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Span (L)	300 C/C General		300 C/C Corner		450 C/C General		450 C/C Corner		600 C/C General		600 C/C Corner	
	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)	Ult (kPa)	L/360 (kPa)
400	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4	C4
600	C4	C4	C4	C4	C4	C4	N5/C2	C4	N6/C3	C4	N5/C2	C4
800	N6/C3	C4	N5/C2	C4	N5/C2	C4	N4/C1	C4	N4/C1	C4	N3	C4
1000	N5/C2	C4	N4/C1	C4	N4/C1	C4	N3	N6/C3	N3	C4	N2	N6/C3
1200	N4/C1	C4	N3	N6/C3	N3	N6/C3	N2	N5/C2	N2	N5/C2	N1	N4/C1
1400	N3	N6/C3	N2	N5/C2	N2	N5/C2	N1	N3	N1	N4/C1	N/A	N/A
1600	N2	N5/C2	N1	N3	N1	N3	N/A	N/A	N1	N3	N/A	N/A
1800	N2	N4/C1	N1	N3	N1	N3	N/A	N/A	N/A	N/A	N/A	N/A
2000	N1	N3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2200	N1	N2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2400	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2600	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2800	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3200	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Where strength matters



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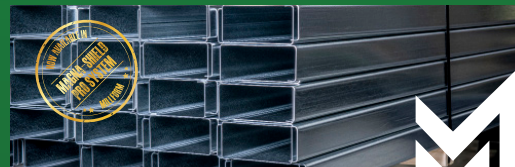
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