

SPECS



DELFAST
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SPECIFICATIONS

Table 1: Allowable Nail Uses for NZS 3604:2011 Corrosion Zones H5, H4, H3.2, H3.1, H1.2, H1.1 and Low-Risk Approved Species, Kiln-Dried Pine.

Use	Environment	Timber Moisture content in use	H5	H4	H3.2	H3.1	H1.2	H1.1	Low-Risk Approved Species, Kiln-Dried Pine
Internal framing, ceiling joists and battens, internal beams	Assembled under full cover, never exposed to moisture/ weather, in-service use in air-conditioned or heated spaces	Less than 18%	✓✓ ✓	✓✓ ✓	✓✓ ✓	✓✓ ✓	✓✓ ✓	✓✓ ✓	✓✓ ✓
Roof trusses, exposed rafters and other roof framing	Minimum exposure to weather during construction, dry in-service environment	Less than 18%	✓✓ ✓	✓✓ ✓	✓✓ ✓	✓✓ ✓	✓✓ ✓	✓✓ ✓	✓✓ ✓
Internal finishing timbers and furniture requiring borer protection	Never exposed to construction moisture, in-service use in air-conditioned or heated spaces	Less than 18%	✓✓ ✓	✓✓ ✓	✓✓ ✓	✓✓ ✓	✓✓ ✓	✓✓ ✓	Timber not suitable for application
Sub-floor framing and floor joists supported on external walls	Exposed to construction moisture. Increased risk of moisture.	Less than 24% at close in, less than 20% in-service	✓✓	✓✓	✓✓	✓✓	✓✓	Timber not suitable for application	
Cavity battens	Possible wetting and drying	Periodically greater than 18%	✓✓	✓✓	✓✓	✓✓	Timber not suitable for application		
Exterior trim or cladding	Exposed to weather but painted	Less than 18%. Assumes effective coating system	✓✓	✓✓	✓✓	✓✓	Timber not suitable for application		
External, cavity battens, unpainted external trim	Exposed to weather or water in drained cavity, but not in ground contact	Occasionally above 18%	✓✓	✓✓	✓✓	Timber not suitable for application			
Decking	Exposed to weather but excludes ground contact (note 1)	Generally above 18%	✓✓	✓✓	✓✓	Timber not suitable for application			
Posts (not piles)	In contact with ground or concrete/masonry (Note 1)	Alkaline and above 18%	✓✓	✓✓	Timber not suitable for application				
Piles, poles etc...	Embedded in ground or concrete	Alkaline and above 18%	✓	Timber not suitable for application					

Note 1 This timber use relates to a 15 year durability requirement only.

✓ Bright Steel ✓ Hot Dipped Galvanised Steel ✓ Stainless Steel



Table 2: Allowable Nail Uses for NZS 3604:2011 Sea Spray Zone, Corrosion Zone and Geothermal 'Hot-spots'.

Use	Environment	Timber Moisture content in use	H5	H4	H3.2	H3.1	H1.2	H1.1	Low-Risk Approved Species, Kiln-Dried Pine
Internal framing, ceiling joists and battens, internal beams	Assembled under full cover, never exposed to moisture/ weather, in-service use in air-conditioned or heated spaces	Less than 18%	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓
Roof trusses, exposed rafters and other roof framing	Minimum exposure to weather during construction, dry in-service environment	Less than 18%	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓
Internal finishing timbers and furniture requiring borer protection	Never exposed to construction moisture, in-service use in air-conditioned or heated spaces	Less than 18%	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	Timber not suitable for application
Sub-floor framing and floor joists supported on external walls	Exposed to construction moisture. Increased risk of moisture.	Less than 24% at close in, less than 20% in-service	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	Timber not suitable for application	
Cavity battens	Possible wetting and drying	Periodically greater than 18%	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	Timber not suitable for application		
Exterior trim or cladding	Exposed to weather but painted	Less than 18%. Assumes effective coating system	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	Timber not suitable for application		
External, cavity battens, unpainted external trim	Exposed to weather or water in drained cavity, but not in ground contact	Occasionally above 18%	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	Timber not suitable for application			
Decking	Exposed to weather but excludes ground contact (note 1)	Generally above 18%	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓	Timber not suitable for application			
Posts (not piles)	In contact with ground or concrete/masonry (Note 1)	Alkaline and above 18%	✓ ✓ ✓	✓ ✓ ✓	Timber not suitable for application				
Piles, poles etc...	Embedded in ground or concrete	Alkaline and above 18%	✓ ✓ ✓	Timber not suitable for application					

Note 1 This timber use relates to a 15 year durability requirement only.

✓ Bright Steel ✓ Hot Dipped Galvanised Steel ✓ Stainless Steel

SPECIFICATIONS

Nail Specifications

Delfast Nail Specifications – applies to NZS 3604:2011 Building Code



Delfast Nails are manufactured to meet and exceed all requirements as set out by the New Zealand NZS 3604:2011 Building Code. These requirements ensure that Delfast Nails are fit for purpose if used in accordance to all applications as outlined on pages 128-129.

Independent testing has been carried out by certified engineers, on the behalf of Delta Group, to guarantee that all nails supplied under the Delfast Brand are manufactured to the requirements of New Zealand NZS 3604:2011 Building Code.

All Delfast 90mm Nails now feature a gold seal which gives peace of mind to the end user. This seal indicates that the nail length, diameter and finish all apply to the NZS 3604:2011 Building Code.

Delfast Nails are bright steel wire, hot dipped galvanised and stainless steel nails. Delfast Nails are available in the lengths as outlined in the below specification schedule.

BRANZ



BRANZ Appraised
Appraisal No.1154 [2021]



90MM BRIGHT STEEL



90MM GALVANISED



Nail Specifications

Delfast D-Head Paper Collated Nails

Product	Length	Wire Diameter	Finish
90mm Bright Steel Nail	90mm	3.15mm	Bright Steel
75mm Bright Steel Nail	75mm	3.06mm	Bright Steel
65mm Bright Steel Nail	65mm	2.87mm	Bright Steel
50mm Bright Steel Nail	50mm	2.87mm	Bright Steel
90mm Galvanised Steel Nail	90mm	3.15mm	Hot Dipped Galvanised
75mm Galvanised Steel Nail	75mm	3.06mm	Hot Dipped Galvanised
65mm Galvanised Steel Nail	65mm	2.87mm	Hot Dipped Galvanised
50mm Galvanised Steel Nail	50mm	2.87mm	Hot Dipped Galvanised
90mm Ring Stainless Steel Nail	90mm	3.15mm	Stainless Steel
65mm Ring Stainless Steel Nail	65mm	2.87mm	Stainless Steel

Delfast Round Head Paper Collated Nails

Product	Length	Wire Diameter	Finish
75mm Ring Galvanised Steel Nail	75mm	3.1mm	Hot Dipped Galvanised
65mm Ring Galvanised Steel Nail	65mm	3.1mm	Hot Dipped Galvanised
50mm Ring Galvanised Steel Nail	50mm	3.1mm	Hot Dipped Galvanised
90mm Ring Stainless Steel Nail	90mm	3.1mm	Stainless Steel
75mm Ring Stainless Steel Nail	75mm	3.1mm	Stainless Steel
65mm Ring Stainless Steel Nail	65mm	3.1mm	Stainless Steel
55mm Ring Stainless Steel Nail	55mm	3.1mm	Stainless Steel

SPECIFICATIONS

Fastening Code Comparison Chart

Staples

Series	Suits/Similar to
3.15 Series	Paslode® 315®
140 Series	Rapid® 140, Kihlberg® 671 Hammer Tacker, A-11 Series
1400 Series	Haubold® 1400, Spotnails® 1400, Bostitch® SP3023
155 Series	Senco® N, Bostitch® BCS5-1100, JK783, BeA14/155, Kihlberg® 783, Spotnails® 6600, G5562
180 Series	Senco® Q, Q6774, Spotnails® 6500
20 Series	Bostitch® 20, Rapid® 53, Rexel® 2001, Arrow® JT21/T27, Max® 1000F
292 Series	Paslode® 292, Ajax® 35, DWS® "A", Spotnails® 35, Sifco® 35, Bostitch® SW9040
4000 Series	Haubold® 4000, Spotnails® 4000
500 Series	Haubold® 500
606 Series	Rapid® 606, Tacwise® 91, Metabo®, Bosch®
71 Series	Bostitch® 7, Kihlberg® 670, Spotnails® 71, Senco® C
80 Series	Bostitch® 86, BeA® 380, Haubold® 800, Kihlberg® 680, Spotnails® 80
90 Series	Senco® L, Kihlberg® 781, Haubold® 600, Duo-Fast® 1800, Max® 400MA, Bostitch® SX5035, Spotnails® 4800
92 Series	Atro® 92, Bostitch® SL5035
97 Series	Kihlberg® 690, Spotnails® 97, BeA® 97, RM137
BCS15 Series	Bostitch® BCS1500, Spotnails® 7500
BCS4 Series	Bostitch® BCS4-1200, Spotnails® 7600
CF Series	Spotnail® 616, Paslode® W, Bostitch® CF
C-Ring Series	Bostitch® 15G100P
FLN Series	Bostitch® FLN
M Series	Senco® M, Paslode® GSI-18, Duo-Fast® W-18, Kihlberg® 782, Spotnails® 6800 Series, Airco® G4450
PW Series	Senco® P
RP Series	Ajax® CL22, Bostitch® SR-15, Jambro® RP22
SB Series	Senco® F
STCR Series	Bostitch® STCR
SWIC Series	Bostitch® SWIC 7437

Brads

Series	Suits/Similar to
C Brads + Fuel	Paslode® IMP 1.6mm 16 Gauge
ND Brads + Fuel	Paslode® IMP 2.0mm 14 Gauge
PAS Brads + Fuel	Paslode® Angle IMP
C Series	Bostitch® 1200C, Paslode® F16, Duofast® 6000, Haubold® 1.6, Max® T, Kihlberg® 516
C1 Series	Max® FMO, Senco® AX, C100, Bostitch® 1300, Haubold® Mini 1.2
DA Series	Spotnails® 15g, Senco® DA
FN15 Series	FN Angled, Bostitch® FN15, Max® KBTO, Spotnails® 15g, FNG
FN16 Series	Bostitch® FN16
ND Series	Spotnails® 14g, PG Series, Duofast® 8
PAS Series	Paslode® Angle, Dewalt® Angle

Nails

Series	Suits/Similar to
JDN Nail + Fuel	Paslode® Impulse IM350 (IMET)
Round Head + Fuel	Paslode® Impulse IM350 (IMET)
JDN Series	Paslode® Pneumatic FP350-S, Senco®
Round Head Series	Paslode® Dekfast®
Joist Hanger Series	ECKO PN38, Bostitch® MCN
AC Series	Bostitch® AC Series
C Series	Duofast®
FAP Series	Airco®, Bostitch®, Max®



Fastening Code Comparison Chart

Staples	Crown (mm)	Gauge	Wire Size (mm)	Length (mm)	Paslode®	Senco®	Bostitch®	Rapid®	Page
97	4.50	21	0.95 x 0.70	6 - 25	97	97	SX4032		99
4000	4.90	21	0.90 x 0.80	6 - 25					101
90	5.70	18	1.00 x 1.25	10 - 38	6000	L	SX5035		85
606	6.10		0.70 x 0.70	18				606	102
92	8.50	18	0.89 x 1.27	12 - 38			SL5035		89
71	9.10	22	0.60 x 0.75	4 - 14	71	C	71		95
M	10.20	18	1.00 x 1.25	12 - 38		M			
1400	10.10	22	0.60 x 0.75	4 - 14		1400	SP3023		
155	10.50	16	1.40 x 1.60	12 - 50		N	BCS5		91
140	10.80		0.60 x 1.30	6 - 14				140	80
3.15	12.50		3.15	33 - 40	ST-3.15				
180	11.30	15	1.65 x 1.81	38 - 64		Q			93
20	11.20	23	0.70 x 0.50	5 - 13			20	53	
BCS4	12.00	16	1.40 x 1.60	32 - 50			BCS4		
4.0	18.30		4.00	40 - 50	ST-400				
80	12.90	21	0.60 x 0.95	3 - 16	80	80	86		97
BCS15	12.96		1.73 x 1.73	38 - 45			BCS-1500		
RP22	22.00		1.85 x 2.05	22			SR-15		
C-Ring	24.00	15							
CF	25.00			10 - 13			CF		105
PW	26.50		1.40 x 1.60	19 - 38		P			
292	35.00		0.95 x 2.30	16 - 19	292		SW9040		
AC50	45.10			50					

Brads	Gauge	Wire Size (mm)	Length (mm)	Paslode®	Senco®	Bostitch®	Page
C1	18	1.00 x 1.25	10 - 50	C1	AX		69
C	16	1.40 x 1.60	15 - 65	C		1200C	63
PAS	16	1.40 x 1.60	32 - 63	Angle			61
FN15	15	1.60 x 1.85	32 - 64			FN15	
ND	14	1.65 x 2.25	30 - 64	ND	ND		70
DA	15	1.80 x 1.80	25 - 65		DA		67
FLN		1.60 x 3.00	38 - 50			FLN	73

