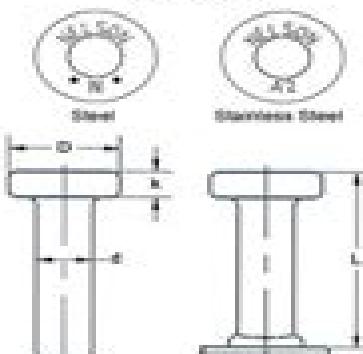


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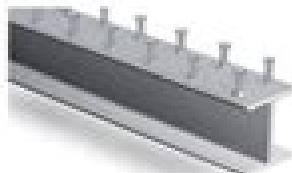


Nelson studs deliver code specified shear strength values as used in composite construction, securing concrete to steel structural components.

Headed anchors are widely used in precast, cast in place or composite steel construction for miscellaneous embedded plates, frames, curbing, attachments and connections.

Shear connectors are typically used in composite steel construction for holding concrete slabs to steel members to resist shear forces and increase shear loading capacity in steel buildings, bridges, columns caissons, containment liners, etc. They also act as embedment anchors on miscellaneous embedded plates, frames, angles, strip plates, attachments and connections. Options for Welding Through Metal Deck are available for all studs.

FLUX: All Nelson shear connectors have a solid flux load.



HL Headed Concrete Anchors

Material - Cold-Finished, Low Carbon Mild Steel and Stainless Steel

d	10MM	13MM	16MM	19MM	22MM	25MM
D	10	25	32	32	35	41
K	7	8	8	10	10	12.5

Part#	d	L (Nominal)	Weight kg/1000
101-053-037	10	50	42
101-053-041	10	75	57
101-053-043	10	100	78
102-053-005	10	125	98
101-053-045	10	150	99
101-053-047	13	50	78
101-053-002	13	75	106
101-053-003	13	100	127
101-053-005	13	125	159
101-053-008	13	150	177
102-053-007	13	175	210
101-053-010	13	200	235
101-053-014	16	75	161
101-053-015	16	100	203
101-053-064	16	125	254
101-053-063	16	150	264
101-053-023	16	200	359
102-053-001	16	250	438

HL Shear Connectors

Part#	d	L (Nominal)	Weight kg/1000
101-098-078	19	50	156
101-098-003	19	75	216
101-098-007	19	100	274
101-098-011	19	125	334
101-098-015	19	150	393
101-098-019	19	175	451
101-098-023	19	200	487
101-098-085	19	225	570
101-098-073	19	250	620
102-098-025	19	300	717
101-098-031	22	100	361
101-098-035	22	125	462
101-098-039	22	150	542
101-098-043	22	175	622
101-098-047	22	200	675
101-098-119	22	225	753
101-098-007	22	250	838
101-098-033	22	275	906
101-098-066	22	300	967
101-098-032	22	350	1138
101-098-204	25	100	495
101-098-192	25	125	600
101-098-168	25	150	704
101-098-177	25	200	902
101-098-009	25	250	1079

 PRODUCT SPECIFICATION STANDARDS: [View details in page 51](#)

AWS D1.1 Type B: Structural Welding Code - Steel Studs

ISO 13918 : Type SD1 Studs and Ceramic Ferrules

BS 5950-3 : Shear Connectors for Buildings

BS 5400-5 : Shear Connectors for Composite Bridges

JIS B 1198 : Headed Studs

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describes the principles requirements for safety serviceability durability of composite steel concrete bridges This guide
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web circle the correct answers the mass of the system a b is m 2m the force that accelerates a b is the weight of a b the

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web t t toward center of circle yes yes yes f f because centripetal acceleration is not zero n n yes provides centripetal force for circular motion conceptual physics

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web dec 11 2012 1 kg consider the acceleration of the cart when the applied force is due to a 10 n iron weight attached to a string draped over pulley will the cart accelerate as before at 10 m s² the answer is no because the mass being accelerated is the mass of the cart plus the mass of the piece of iron that pulls it both masses accelerate

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