Internal Memo no. 912/164 – construction Date: 20-10-2023

Subject: Standard specifications for fasteners

Keywords: Screws , plugs, fasteners ,wedge anchor bolts ,SDS,CSK

Sites to use: Screws, plugs and anchor bolts are being arbitrarily ordered and used. Correct use of fasteners would make substantial difference to the quality of construction. Hereafter, fasteners shall be used as given

under:

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| Sl. No. | Description of item | Details of use | SKU no. | Appx. Cost in Rs. |
| 1. 1 | Fisher plug 5 mm – Bosch make | RCC and brick work for screws up to 6 mm dia – primarily used for  electrical work and fixing of frames, posters, etc. | HARD6365-Hardware-Wall plug-Fischer-5mm-Pkts | 188/-per packet-(100pcs per packet) |
| 1. 2 | Fisher plug in 6 mm – Bosch  make | RCC and brick work for screws from 6 mm up to 8mm Dia - primarily used  for plumbing work - for fixing of smoke detector | HARD6640-Hardware-Wall plug-Fischer-6mm-Pkts | 194/-per packet-(100pcs per packet) |
| 1. 3 | S.S. screws pan head with 5mm plug | for electrical work | HARD9632-Hardware- SS Screws -Pan Head -6X25mm-pkts | 139/-per packet-(100pcs per packet) |
|  | S.S. screws pan head with 5mm plug | for electrical work | HARD1945-Hardware- SS Screws -Pan Head -6X32mm-pkts | 139/-per packet-(100pcs per packet) |
|  | S.S. screws pan head with 5mm plug | for electrical work | HARD3593-Hardware- SS Screws -Pan Head -6X50mm-pkts | 139/-per packet-(100pcs per packet) |
| 1. 4 | SS screws CSK- 32 x 6 mm with 5mm  plug | for grill fixing | HARD4624-Hardware- SS Screws -CSK- 6X32mm-pkts | 118/-per packet-(100pcs per packet) |
|  | SS screws pan head | For door no. plates | HARD6360-Hardware- SS Screws -Pan Head - 4X16mm-pkts | 130/- per packet-500pcs per packet |
|  | SS screws pan head | For car parking no. plates | HARD9632-Hardware- SS Screws -Pan Head -6X25mm-pkts | 139/-per packet-(100pcs per packet) |
|  | SS screws CSK/Pan head | For door stopper | HARD9187-Hardware- SS Screws -CSK- 8X38mm-pkts | 124/-per packet-(100pcs per packet) |
|  | SS screws CSK/Pan head | For door stopper | HARD1982-Hardware- SS Screws -Pan Head -8X38mm-pkts | (153/-per packet-100pcs per packet) |
|  | Wood screws CSK | Fixing of fire alarm fixing | HARD7650-Hardware- Wood Screws -CSK- 8X35mm-pkts | 118/-per packet-(100pcs per packet) |

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|  | Rack bolt – 5”x 16mm | For WC fixing | SACP3298-Sanitaey CP-Wall Hung WC Rack bolts-pairs | 382/- |
|  | Rack bolt – 4”x 10mm | For wash basin brackets | SACP6705-Sanitaey CP-Rack bolts-Wash basin- pairs | 194/- |
|  | Anchor bolt 6 mm pin type in RCC / walls. (Avoid 8mm) Make 5 mm hole | For staircase and balcony railing.  Ladder fixing  Lentil brackets | HARD8268-Hardware-Anchor Bolt-Pin type-6x50mm-No’s | 6/-each |
|  | Anchor bolt 6 mm with hook.  Make 5 mm hole. | For drop wall | HARD3584-Hardware-Anchor Bolt-Hook type-6x50mm-No’s | 12/- each |
|  | Anchor bolt 12 mm hook type | For swings | HARD1295-Hardware-Anchor Bolt-Hook type-12X62.50mm-No’s | 17/-each |
|  | Door frame hold fast – 4” to 6”  length, 1 ½” width in 4 mm thick  MS flat fitted with 30 x 8 mm  wood screw. For column fitting  use 1” x 6mm x 9” flat | For door frames – fitted with 30 x 8  mm wood screw. Use 6mm plug | HARD6478-Hardware- Hold Fast 100mm(4’)-Kg’s | 100 /-per kg |
|  | Wood screws 25 mm x 8 mm | For wooden banister. Must use 1 1/4”  MS flat for banister fixing. | HARD5710-Hardware- Wood Screws -CSK- 8X25mm-pkts | 118/-per packet-(100pcs per packet) |
|  | Wood screws CSK Head | For banister post assembling. | HARD1199-Hardware- Wood Screws -CSK- 8X60mm-pkts | 118/-per packet-(100pcs per packet) |
|  | Wood screws CSK Head | -Do- | HARD8550-Hardware- Wood Screws -CSK- 8X75mm-pkts | 118/-per packet-(100pcs per packet) |
|  | 2” nails | For chicken mesh fixing  For electrical conducting fixing | HARD1877-Hardware-MS Nails-50mm-Kg’s | 130/-per kg |
|  | Bombay nails | For GI pipe fixing – concealed pipes  only | HARD2155- Bombay Nails-62.50mm-Kg’s | 130/-per kg |
|  | Bombay nails | -Do- | HARD9376- Bombay Nails-75mm-Kg’s | 130/-per kg |
|  | Sleeve & Bullet- | For fire fighting works like, sprinkler any header lines | HARD2041-Hardware-Sleeve & Bullets-8x50mm-No’s  HARD7775-Hardware-Sleeve & Bullets-10x75mmNo’s | 5/-each |
|  | Sleeve & Bullet- | -Do- | HARD7775-Hardware-Sleeve & Bullets-10x75mmNo’s | 10/-each |
|  | GI coated Wedge Anchor Bolt | MS Structural works purpose. Like HVAC piping support & Anchoring of motors | HARD3423-Hardware-Wedge Anchor Bolt-8x100mm-No’s | 12/-each |
|  | GI coated Wedge Anchor Bolt | -Do- | HARD4066-Hardware-Wedge Anchor Bolt-12x100Lmm-No’s | 21/-each |
|  | Self drilling screw | GI shed work purpose. | HARD2802-Hardware-SS-Self drilling screw-8x25mm-Box | 500/- per Box |

Notes:

1. Use 3 nos. 4” wide SS Dorset bearing type hinges for doors. Door hinges use screws supplied \with Dorset hinges.
2. Use 4”/6” SS handles for window /doors.
3. Use 4”/6” SS tower bolts for window/doors.
4. Use 12” to 30” GI/composite brackets for pipe fitting.
5. Use U type clamps for horizontal PVC SWR drain pipes.
6. All PVC pipes for drainage and rain water must be screwed on to the wall with 6 mm plug

and 35 x 8 mm wood screw. Do not use Bombay nails.

1. Purchase not to order any fasterners other than ones mentioned above without cross checking

with project manager.

1. Wood screws must be of Sharpex or National brand. Sheet metal screws should be of TFR

or Tuff brand.

1. Railing top for banister fixing must be 1 ¼” MS flat.
2. GI pipes of any size wherever exposed must be fitted with GI clamps (saddle with spacer

bar) with 6 mm plug and 35 x 8 mm wood screws. Do not use Bombay nails.

1. CSK stands for Counter Sunk Head Screw (shaved head).
2. Nails shall be of MS.
3. Aluminum windows must use SS screws for their works.

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