

Sub.: Standard specifications for fasteners

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:

S. No.	Item	Type	Used for
1.	Fisher plug 5 mm – Bosch make		RCC and brick work for screws upto 6 mm dia – primarily used for electrical work and fixing of frames, posters, etc.
2.	Fisher plug in 6 mm – Bosch make		RCC and brick work for screws from 6 mm upto 8 mm dia - primarily used for plumbing work
3.	S.S. screws 25 x 6 mm, 32 x 6 mm & 50x 6 mm with 5mm plug	Pin head	for electrical work
4.	SS screws 32 x 6 mm with 5mm plug	CSK	for grill fixing
5.	SS screws – 16 x 4 mm	pin head	For door no. plates
6.	SS screws - 19 x 6 mm	CSK/ Pin head	for tower bolt/door handles
7.	SS screws - 25 x 6 mm	Pin head	For car parking no. plates
8.	SS screws - 38 x 8 mm	CSK /Pin head	For door stopper
9.	Wood screws - 35 x 8 mm	CSK	for PVC pipe clamps – use with 6 mm fisher plug
10.	Rack bolt – 5”x 16mm		For WC fixing
11.	Rack bolt – 4”x 10mm		For wash basin brackets
12.	SS screws – 35 x 8 mm with 6 mm plug	CSK	For PVC flush tanks
13.	Anchor bolt 6 mm pin type in RCC / walls. (Avoid 8mm) Make 5 mm hole		For staircase and balcony railing. Ladder fixing Lentil brackets
14.	Anchor bolt 6 mm with hook. Make 5 mm hole.		For drop wall
15.	Anchor bolt 8 mm normal or pin type. Make 7 mm hole.		Fire safety wet raiser, generator exhaust pipe.
16.	Anchor bolt 8 mm hook type		For ceiling fans
17.	Anchor bolt 12 mm hook type		For swings
18.	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	CSK	For door frames – fitted with 30 x 8 mm wood screw. Use 6mm plug.
19.	Wood screws 25 mm x 8 mm	CSK	For wooden banister. Must use 1 1/4” MS flat for banister fixing.
20.	Wood screws 60 x 8 mm, 75 x 8 mm	CSK	For banister post assembling.

21.	Nut bolt -12 mm x 4"		For anchoring banister to floor
22.	Anchor set chemical – Cera or equivalent brand		For anchoring MS and wooden railing into steps and floor
23.	1 ½" nails		For main door beading
24.	1" nails		For other doors beading
25.	2" nails		For chicken mesh fixing For electrical conducting fixing
26.	Bombay nails 2 ½" and 3"		For GI pipe fixing – concealed pipes only
27.	Nails 2" or 2 ½"		For door frame assembly

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.
7. Purchase not to order any fasteners other than ones mentioned above without cross checking with project manager.
8. Wood screws must be of Sharpex or National brand. Sheet metal screws should be of TFR or Tuff brand.
9. Railing top for banister fixing must be 1 ¼" MS flat.
10. 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.
11. CSK stands for Counter Sunk Head Screw (shaved head).
12. Nails shall be of MS.
13. Aluminum windows must use SS screws for their works.

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