

MECHANICAL ANCHORS
SELECTION GUIDE

| | Base Material | | | | | | | | | | | Anchor Diameter | | | | | | | Head Style | | | | | | | | | | Coating/Material | | | | | | Building Code / Jurisdiction Recognition | | | | | | |
|---------------------------|---------------------------------|----------------------|-------------------|-------------------------------|-------------------------|-------------|--------------|-------|----------------------|------|-------|-----------------|------|-------|------|------|------|------|------------|-----------|---------------|-------------------|----------|------------------|-------------------------|---------------|-----------|---------------|------------------|-----------------|----------------------------|-------------------------|------------------------------|--------------------------|--|--------------------------|-------------------|---------------|--------------------------------------|--|----|
| | Concrete | Lightweight Concrete | Hollow Core Plank | Grout-filled Concrete Masonry | Hollow Concrete Masonry | Solid Brick | Hollow Brick | Stone | Structural Clay Tile | Wood | Steel | 3/16" | 1/4" | 5/16" | 3/8" | 1/2" | 5/8" | 3/4" | 7/8" | 1" (24mm) | 1-1/4" (28mm) | Finished Hex Head | Hex Head | Round/Acorn Head | Fiat Head (Countersunk) | Mushroom Head | Removable | Tie-Wire Head | Tamperproof | Internal Thread | Coated/Plated Carbon Steel | Galvanized Carbon Steel | Type 303/304 Stainless Steel | Type 316 Stainless Steel | | Type 410 Stainless Steel | Perme-Seal Coated | Nylon/Plastic | | | |
| Expansion Anchors | Atomic+ Undercut® | ● | ● | | | | | | | | | | | ● | ● | ● | ● | | | | | ● | | | | | | | | | | | | | | | | | ICC-ES ESR-3067 | | |
| | Power-Stud®+ SD1 | ● | ● | ● | | | ○ | | | | | ● | | ● | ● | ● | ● | ● | ● | ● | | ● | | | | | | | ● | | | | | | | | | | | ICC-ES ESR-2818 & 2966 IBC, NBC, City of LA, FBC, FM, UL | |
| | Power-Stud®+ SD2 | ● | ● | ● | | | ○ | | | | | | | ● | ● | ● | ● | | | | | ● | | | | | | | | ● | | | | | | | | | | ICC-ES ESR-2502 IBC, NBC, City of LA, FBC, FM, UL | |
| | Power-Stud®+ SD4/SD6 | ● | ● | ● | | | ○ | | | | | ● | | ● | ● | ● | ● | | | | | ● | | | | | | | | | ● | ● | | | | | | | | ICC-ES ESR-2502 IBC, NBC, City of LA, FBC | |
| | Power-Stud® HD5 | ● | ● | ● | | | | | | | | | | | ● | ● | ● | ● | | | | | | | | | | | | | ● | | | | | | | | | | |
| | Power-Bolt®+ | ● | ● | ○ | | | ○ | | | | | | ● | | ● | ● | ● | ● | | | | ● | | | | | | ● | | | ● | | | | | | | | | ICC-ES ESR-3260 IBC, City of LA | |
| | Power-Bolt® | ● | ● | ○ | ● | ● | ● | ○ | ○ | | | | | | ● | ● | ● | | | | | ● | | ● | | | | | | ● | | ● | | | | | | | | | |
| | PB-PRO™ | ● | ○ | | | | | | | | | | | | | | | | ● | ● | ● | | | | | | | | | ● | | | | | | | | | | | |
| Lok-Bolt AS® | ● | ○ | ○ | ● | ● | ● | ○ | ○ | | | | ● | ● | ● | ● | ● | ● | | | | | ● | ● | ● | | | | ● | ● | ● | | | | | | | | | | | |
| Screw Anchors | Screw-Bolt+™ | ● | ● | ○ | ● | ○ | ● | | | | | ● | | ● | ● | ● | ● | | | | ● | | | | | | ● | | | ● | ● | | | | | | | | ICC-ES ESR-3889 IBC, City of LA, FBC | | |
| | 316 Stainless Steel Wedge-Bolt™ | ● | | ● | ● | | | | | | | ● | | ● | ● | | | | | | | ● | | | | | | | | | | | | ● | | | | | | | |
| | Snake+® | ● | ● | | | | | | | | | ● | | ● | ● | | | | | | | | | | | | ● | | | ● | ● | | | | | | | | | ICC-ES ESR-2272 IBC, City of LA, FM | |
| Drop-in Anchors | Steel Dropin™ | ● | ● | | | | ○ | | | | | ● | | ● | ● | ● | ● | | | | | | | | | | | | ● | ● | | | | ● | ● | | | | | FM, UL | |
| | Smart DI™ | ● | ○ | | | | ○ | | | | | ● | | ● | ● | | | | | | | | | | | | | | ● | ● | | | | | | | | | | FM, UL | |
| | Mini Dropin™ | ● | ● | ○ | | | ○ | | | | | ● | | ● | ● | | | | | | | | | | | | | | ● | ● | | | | | | | | | | | FM |
| | Hollow-Set Dropin™ | ● | ○ | ● | ● | ● | ● | ○ | ○ | | | ● | ● | ● | ● | ● | | | | | | | | | | | | | ● | ● | ● | | | | | | | | | | UL |
| Rod Hanging System | Hangermate®+ | ● | ● | ○ | | | | | | | | ● | | ● | | | | | | | | | | | | | ● | | | ● | ● | | | | | | | | | ICC-ES ESR-3889 IBC, City of LA, FBC, FM | |
| | Mini-Undercut+™ | ● | ● | | | | | | | | | | | ● | | | | | | | | | | | | | | ● | ● | | | | | | | | | | | ICC-ES ESR-3912 IBC, City of LA, FM | |
| | Wood-Knocker II+® | ● | ● | | | | | | | | | ● | | ● | ● | ● | ● | | | | | | | | | | | | ● | ● | | | | | | ● | | | | ICC-ES ESR-3657 IBC, NBC, City of LA, FM, UL | |
| | Bang-it+® | ● | ● | | | | | | | | | ● | | ● | ● | ● | ● | | | | | | | | | | | | ● | ● | | | | | | | | | | ICC-ES ESR-3657 IBC, NBC, City of LA, FM, UL | |
| DDI+™ | ● | ● | | | | | | | | | | | ● | ● | ● | ● | ● | | | | | | | | | | | | ● | | | | | | | | | | ICC-ES ESR-3958 IBC, City of LA, FM | | |

● Suitable ○ May be Suitable