

| Anchor Max. Work ThreadLength Thickness |  |  | Item | Pkg. Oty. |
| :---: | :---: | :---: | :---: | :---: |
| $5 / 8$ in Anchor Dia., $5 / 8^{\prime \prime}$-11 Thread |  |  |  |  |
| $31 / 2$ in | $1 / 8$ in | $15 / 8$ in | 4KHU7 | 25 |
| $41 / 2 \mathrm{in}$ | $11 / 8 \mathrm{in}$ | $25 / 8$ in | 4KHU8 | 25 |
| 5 in | $15 / 8 \mathrm{in}$ | $31 / 4$ in | 4KHU9 | 25 |
| 6 in | $25 / 8$ in | $41 / 8$ in | 4KHV1 | 25 |
| $5 / 8$ in Anchor Dia., $5 / 8$ in $\times 81 / 2$ in Thread |  |  |  |  |
| $81 / 2$ in | $51 / 8$ in | $11 / 2$ in | 4KHV3 | 25 |
| $3 / 4$ in Anchor Dia., $3 / 44^{\prime \prime} 10$ Thread |  |  |  |  |
| $41 / 4$ in | $1 / 8$ in | $23 / 8$ in | 4KHV4 | 25 |
| $4^{3 / 4}$ in | $5 / 8$ in | $27 / 8$ in | 4KHV5 | 25 |
| $51 / 2 \mathrm{in}$ | $13 / 8 \mathrm{in}$ | $35 / 8$ in | 4KHV6 | 20 |
| $61 / 4 \mathrm{in}$ | $21 / 8$ in | $41 / 4$ in | 4KHV7 | 20 |
| 7 in | $27 / 8$ in | 2 in | 4KHV8 | 15 |
| $81 / 2 \mathrm{in}$ | $43 / 8$ in | 2 in | 4KHV9 | 15 |
| 10 in | $51 / 8 \mathrm{in}$ | 2 in | 4KHW1 | 15 |
| 7/8 in Anchor Dia., $7 / 8^{\prime \prime}-9$ Thread |  |  |  |  |
| 6 in | $11 / 8$ in | $21 / 4$ in | 4KHW2 | 10 |
| 8 in | $31 / 8$ in | $21 / 4$ in | 4KHW3 | 10 |
| 10 in | $51 / 8$ in | $21 / 4$ in | 4KHW4 | 10 |
| 1 in Anchor Dia., 1"-8 Thread |  |  |  |  |
| 6 in | $1 / 2$ in | $21 / 4$ in | 4KHW5 | 10 |
| 9 in | $31 / 2$ in | $21 / 4$ in | 4KHW | 10 |
| $1{ }^{1 / 4}$ in Anchor Dia., $1^{1 / 4} \mathbf{4}^{4 /-7 ~ T h r e a d ~}$ |  |  |  |  |
| 9 in | $11 / 4 \mathrm{in}$ | $31 / 4$ in | 4KHW7 | 5 |
| 12 in | $41 / 4$ in | $31 / 4$ in | 4KHW8 | 5 |

## 

## AK

## Sup-R-Stud Grade 5 Wedge Anchors

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- Yellow, dichromate steel
}
- Non-seismic rated

Can be used for immediate setting and loading. Yellow electroplating permits easy recognition after installation. Commonly used in conveyor systems, pipe hanging, racking, machinery, and anchoring. Include nut and washer. Meet Federal G.S.A. Specifications FF S-325C Group II, Type 4, Class I.
Note: Safe working loads should not exceed $25 \%$ of ultimate values.

## Wedge And MT Seismic Anchors




Expansion Anchor


Expansion Shield


## Expansion Shields

 and Anchors- Min. embedment equals anchor length Note: Screw length needs to be at least the length of the anchor plus the thickness of the material.

Expansion Shields-Medium to heavy loads in dead, variable, or vibratory conditions in all types of masonry and natural stone.

Expansion Anchors-Lead anchors provide quick installation of lightweight fixtures in masonry and concrete. Not affected by chemicals or moisture.

| Anchor Material | Anchor Dia. | Anchor <br> Length | $\begin{aligned} & \text { Screw } \\ & \text { Size } \end{aligned}$ | Item No. | Pkg. Qty. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Lag Screw Expansion Anchor |  |  |  |  |  |
| Zinc Alloy | $1 / 2$ in | 1 in | 1/4 in | 22A658 | 25 |
|  |  | $11 / 4 \mathrm{in}$ | $5 / 16$ in | 22A659 | 25 |
|  |  | $11 / 2$ in | 1/4 in | 22A662 | 25 |
|  |  | $13 / 4$ in | $5 / 16$ in | 22A663 | 25 |
|  | $3 / 4$ in | 2 in | $1 / 2$ in | 22A661 | 25 |
|  |  | 3 in | $1 / 2$ in | 22A665 | 25 |
|  | 5/8 in | $13 / 4$ in | 3/8 in | 22A660 | 25 |
|  |  | $21 / 2$ in | $3 / 8$ in | 22A664 | 25 |
| Machine Screw Double Expansion Anchor |  |  |  |  |  |
| Zinc Alloy | 1/2 in | $13 / 8$ in | $1 / 4$ in | 22A672 | 25 |
|  | $3 / 4$ in | $21 / 16$ in | 3/8-16 | 22A674 | 10 |
|  | $5 / 8$ in | $13 / 16$ in | 5/16-18 | 22A673 | 25 |
|  | 7/8 in | $21 / 2$ in | 1/2-13 | 22A675 | 10 |
|  | $11 / 4$ in | 4 in | $3 / 4-10$ | 22A677 | 5 |
|  | 1 in | 3 in | 5/8-11 | 22A676 | 5 |
| Machine Screw Expansion Anchor |  |  |  |  |  |
| Zinc Alloy | $1 / 2$ in | $15 / 16$ in | 1/4 in | 22A681 | 25 |
|  | $5 / 8$ in | $11 / 2$ in | 3/8-16 | 22A679 | 10 |
|  | 7/8 in | $2^{3 / 16}$ in | 1/2-13 | 22A680 | 5 |
| Machine Screw Expansion Shield |  |  |  |  |  |
| Zinc Alloy | $1 / 2$ in | $11 / 4 \mathrm{in}$ | 1/4 in | 4KHZ4 | 100 |
|  | 7/8 in | $21 / 4$ in | 1/2-13 | 4KHZ7 | 50 |
|  | $9 / 16$ in | $11 / 2 \mathrm{in}$ | 5/16-18 | 4KHZ5 | 100 |
|  | 11/16 in | $13 / 4$ in | 3/8-16 | 4KHZ6 | 50 |
|  | $11 / 4$ in | $31 / 8$ in | 3/4-10 | 4KHZ9 | 25 |
|  | $11 / 8$ in | $25 / 8$ in | 5/8-11 | 4KHZ8 | 50 |
| Sheet Metal Screw Expansion Anchor |  |  |  |  |  |
| Lead | 1/4 in | $3 / 4$ in | \#6-8 | 22A666 | 100 |
|  |  | 1 in | \#6-8 | 22A667 | 50 |
|  |  | $11 / 2$ in | \#6-8 | 22A668 | 50 |
|  | $3 / 8$ in | 1 in | \#16-18 | 22A671 | 50 |
|  | 5/16 in | 1 in | \#10-14 | 22A669 | 50 |
|  |  | $11 / 2$ in | \#10-14 | 22A670 | 50 |

