



SERIE NP/NPH/NPX SELLADAS Y RECARGABLES BATERIAS DE PLOMO-ACIDO



SERIE NPH

| Tipo | Tipo FR* | Volts | Capacidad Nominal (10 hr rate - Ah) | Largo | | Ancho | | Altura Total Inc. Terminales | | Peso | | Layout | Terminales |
|-----------|-------------|-------|-------------------------------------|-------|-------|-------|-------|------------------------------|-------|------|--------|--------|------------|
| | | | | mm. | (in.) | mm | (in.) | mm. | (in.) | kgs. | (lbs.) | | |
| NPH2-12 | NPH2-12FR | 12 | 2.0 | 68.0 | 2.68 | 51.0 | 2.01 | 88.0 | 3.46 | 0.84 | 1.85 | 2 | A |
| NPH3.2-12 | NPH3.2-12FR | | 3.2 | 134.0 | 5.28 | 67.0 | 2.64 | 64.0 | 2.52 | 1.40 | 3.09 | 3 | A |
| NPH5-12 | NPH5-12FR | | 5.0 | 90.0 | 3.54 | 70.0 | 2.75 | 106.0 | 4.17 | 2.00 | 4.41 | 1 | D |

Regimen 20hr (Ah)

SERIE NP

| | | | | | | | | | | | | | |
|----------|--------------|----|------|-------|-------|-------|------|-------|------|-------|-------|---|-----|
| NP4.2-4H | - | 4 | 4.2 | 48.0 | 1.89 | 35.5 | 1.40 | 119.0 | 4.68 | 0.56 | 1.23 | 6 | - |
| NP1.2-6 | NP1.2-6FR | 6 | 1.2 | 97.0 | 3.82 | 25.0 | 0.98 | 54.5 | 2.15 | 0.30 | 0.66 | 1 | A |
| NP3-6 | - | | 3.0 | 134.0 | 5.28 | 34.0 | 1.33 | 64.0 | 2.52 | 0.65 | 1.43 | 1 | A |
| NP4-6 | - | | 4.0 | 70.0 | 2.76 | 47.0 | 1.85 | 105.5 | 4.15 | 0.85 | 1.87 | 5 | A |
| NP7-6 | NP7-6FR | 6 | 7.0 | 151.0 | 5.95 | 64.0 | 1.33 | 97.5 | 3.84 | 1.35 | 2.98 | 1 | A/D |
| NP10-6 | NP10-6FR | | 10.0 | 151.0 | 5.95 | 50.0 | 1.97 | 97.5 | 3.84 | 2.00 | 4.41 | 1 | A/D |
| NP0.8-12 | NP0.8-12FR** | | 0.8 | 96.0 | 3.78 | 25.0 | 0.98 | 61.5 | 2.42 | 0.35 | 0.77 | 7 | I |
| NP1.2-12 | NP1.2-12FR | 12 | 1.2 | 97.0 | 3.82 | 48.0 | 1.89 | 54.5 | 2.15 | 0.57 | 1.25 | 3 | A |
| NP2-12 | - | | 2.0 | 150.0 | 5.91 | 20.0 | 0.79 | 89.0 | 3.50 | 0.70 | 1.54 | 8 | B |
| NP2.3-12 | NP2.3-12FR | | 2.3 | 178.0 | 7.01 | 34.0 | 1.34 | 64.0 | 2.52 | 0.94 | 2.07 | 1 | A |
| NP2.6-12 | NP2.6-12FR | | 2.6 | 134.0 | 5.28 | 67.0 | 2.64 | 64.0 | 2.52 | 1.12 | 2.47 | 3 | A |
| NP4-12 | NP4-12FR | | 4.0 | 90.0 | 3.54 | 70.0 | 2.76 | 106.0 | 4.17 | 1.70 | 3.74 | 1 | A/D |
| NP7-12 | NP7-12FR | | 7.0 | 151.0 | 5.94 | 65.0 | 2.56 | 97.5 | 3.84 | 2.65 | 6.17 | 4 | A/D |
| NP12-12 | NP12-12FR | | 12.0 | 151.0 | 5.94 | 98.0 | 3.86 | 97.5 | 3.84 | 4.00 | 8.82 | 4 | D |
| NP18-12B | NP18-12BFR | | 17.2 | 181.0 | 7.13 | 76.2 | 2.99 | 167.0 | 6.57 | 6.20 | 13.64 | 2 | E |
| NP24-12 | NP24-12FR | | 24.0 | 166.0 | 6.54 | 175.0 | 6.89 | 125.0 | 4.92 | 8.65 | 19.05 | 2 | C |
| NP24-12B | NP24-12BFR | | 24.0 | 166.0 | 6.54 | 175.0 | 6.89 | 125.0 | 4.92 | 8.65 | 19.05 | 2 | E |
| - | NP26-12B | | 26.0 | 166.0 | 6.54 | 125.0 | 4.92 | 175.0 | 6.89 | 9.30 | 20.50 | 2 | J |
| - | NP26-12R | | 26.0 | 166.0 | 6.54 | 125.0 | 4.92 | 175.0 | 6.89 | 9.30 | 20.50 | 2 | K |
| - | NP38-12B | | 38.0 | 197.0 | 7.74 | 165.0 | 6.50 | 175.0 | 6.89 | 13.80 | 30.40 | 2 | F |
| - | NP38-12R | | 38.0 | 197.0 | 7.74 | 165.0 | 6.50 | 175.0 | 6.89 | 13.80 | 30.40 | 2 | K |
| NP65-12 | NP65-12FR | | 65.0 | 350.0 | 13.78 | 166.0 | 6.54 | 174.0 | 6.85 | 22.80 | 50.20 | 2 | G |

W/Celda A
1.67 V Final
(Regimen 15 min.)

SERIE NPX

| | | | | | | | | | | | | | |
|--------|----------|----|-----------|-------|------|-------|------|-------|------|-------|-------|---|-----|
| NPX-50 | NPX-50FR | 6 | 50W/Cell | 151.0 | 5.95 | 50.0 | 1.97 | 97.5 | 3.84 | 2.00 | 4.41 | 1 | A/D |
| NPX-25 | NPX-25FR | 12 | 23W/Cell | 90.0 | 3.54 | 70.0 | 2.75 | 106.0 | 4.17 | 2.00 | 4.41 | 1 | D |
| - | NPX-100B | | 95W/Cell | 166.0 | 6.54 | 125.0 | 4.92 | 175.0 | 6.89 | 9.30 | 20.80 | 2 | J |
| - | NPX-100R | | 95W/Cell | 166.0 | 6.54 | 125.0 | 4.92 | 175.0 | 6.89 | 9.30 | 20.80 | 2 | K |
| - | NPX-150B | | 150W/Cell | 197.0 | 7.76 | 165.0 | 6.50 | 175.0 | 6.89 | 15.50 | 34.10 | 2 | J |
| - | NPX-150R | | 150W/Cell | 197.0 | 7.76 | 165.0 | 6.50 | 175.0 | 6.89 | 15.50 | 34.10 | 2 | K |

NOTAS:

* FR: UL94-VO, Caja y Tapa Antiflama (Indice de Oxigeno; 30)

† Reconocido por UL, File No. MH 12970

** FR: UL94-V2, Caja y Tapa Antiflama (Indice de Oxigeno; 30)

- Hecho en Los EEUU (Hays, KS) - UL File No. MH16464

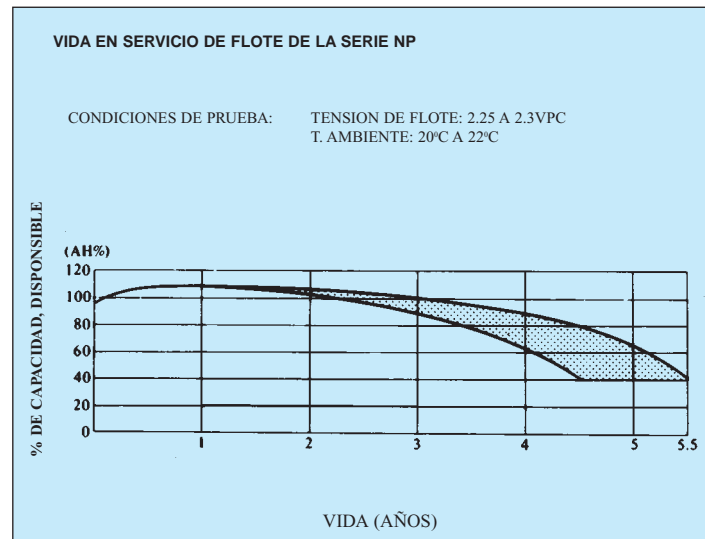
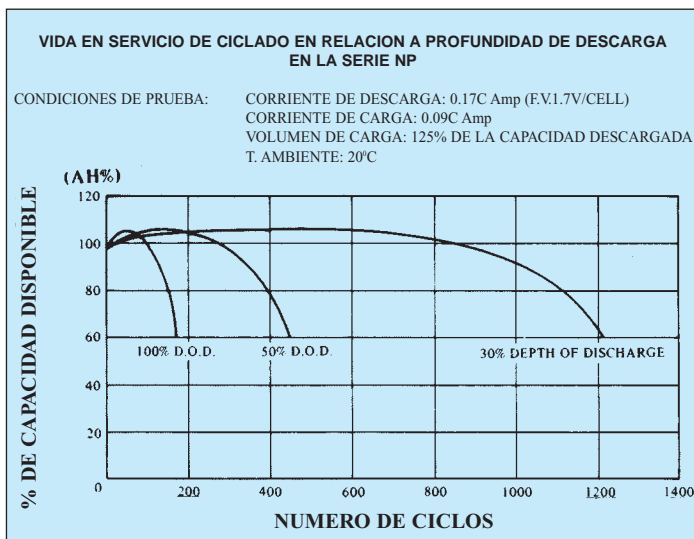
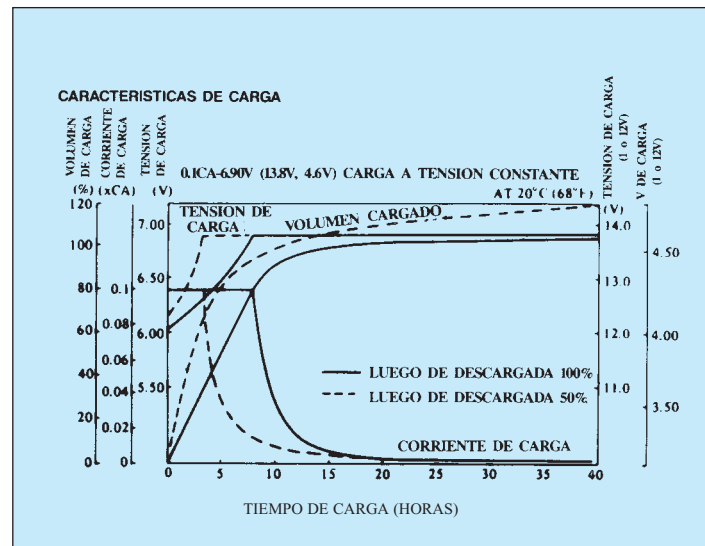
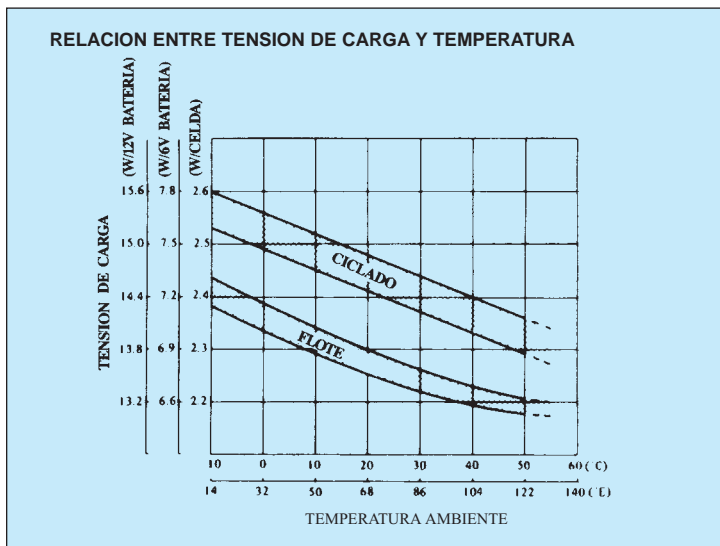
La marca Yuasa de baterías selladas, ha establecido desde su introducción las normas de calidad y excelencia en el ámbito de la tecnología para baterías de plomo-ácido recargables y selladas. Este estándar ha sido utilizado como único en aplicaciones, tales como; seguridad, sistemas de energía ininterrumpida (UPS), telecomunicaciones, iluminación de emergencia y equipamiento médico. En cualquier lugar, donde se requiera energía para back-up en forma eficiente y confiable, Yuasa ocupa el espacio.

La línea de productos NP de marca Yuasa, cubre todo el espectro del tamaño de baterías, desde 0.8 Ah hasta 65 Ah en 4,6 y 12 volts. Yuasa también ofrece una línea completa de baterías antilama (UL94-V0, LOI 30). Designadas como 'FR', estas baterías cumplen con las especificaciones, UL1778 para retardo de llamas en sistemas UPS y con los requerimientos de Bellcore para telecomunicaciones.

Yuasa también ofrece las series de baterías NPX y NPH, diseñadas para aplicaciones con descargas de alto régimen. Estas baterías se utilizan fundamentalmente cuando se requiere gran potencia en un corto tiempo. Con un 50% más de potencia disponible y un 30% de menos tamaño que las baterías convencionales, las series NPX y NPH ofrecen un valor superior, especialmente en las aplicaciones para sistemas UPS.

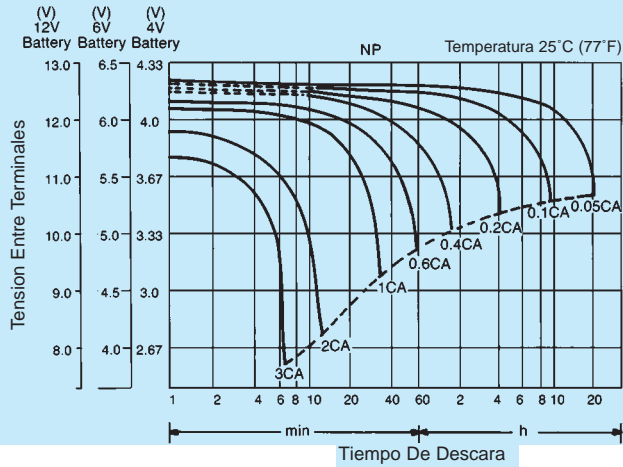
SERIE NPX - WATTS POR CELDA HASTA 1.67 V FINAL

| | 5 MIN | 10 MIN | 15 MIN | 20 MIN |
|---------|-------|--------|--------|--------|
| NPX-25 | 47 | 31 | 23 | 18 |
| NPX-50 | 94 | 60 | 50 | 38 |
| NPX-35 | 66 | 45 | 35 | 29 |
| NPX-80 | 140 | 104 | 80 | 65 |
| NPX-100 | 185 | 125 | 95 | 75 |
| NPX-150 | 285 | 200 | 150 | 120 |

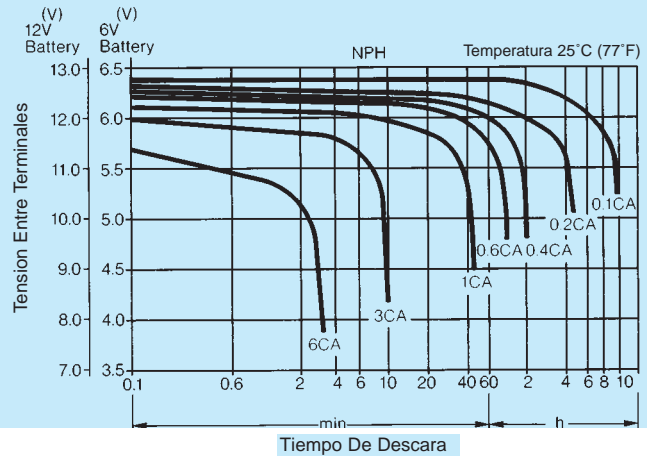


CURVAS DE DESCARGA A 20°C (68°F)

SERIE NP



SERIE NPH



• Si se requiere corriente de descarga de mas de 3 veces la corriente nominal consulte al Servicio Tecnico de Enersystem antes de su utilización.

Notas importantes para prolongar la vida de la bateria:

■ Carga

- Uso standby: Aplicar v constante a 2.275 v por celda (0 2.25-2.30 vpc).
- Uso ciclado: Aplicar v constante a 2.40-2.50 v por celda
La corriente inicial de carga debe ser menor a 0.25 CA.
- Almacenaje de 6 meses: cargar a una tension constante de 2.40 volts por celda.
La corriente inicial de carga debe ser menor a 0.1 CA por 15 a 20 horas.

■ Descarga

- Interrumpir la descarga al llegar a la tension minima permitida recargar inmediatamente.
- No operar a mas de 6 veces la corriente nominal.

■ Almacenaje

- Almacenar siempre la bateria totalmente cargada.
- Si la bateria debe ser almacenada por un largo periodo de tiempo, recargar cada 6 meses.

■ Temperatura

- Mantener a t ambiente entre - 15°C y + 50°C tanto para la carga como para la descarga.
- Almacenar las baterias en un lugar calido y seco.

■ Incorporacion de la bateria en equipos

- Colocar la bateria en un lugar bien ventilado.
- Evite instalar la bateria cerca de unidades que liberen calor, como ser un transformador.
- Coloque la bateria en la parte mas baja del equipo para evitar el calentamiento.

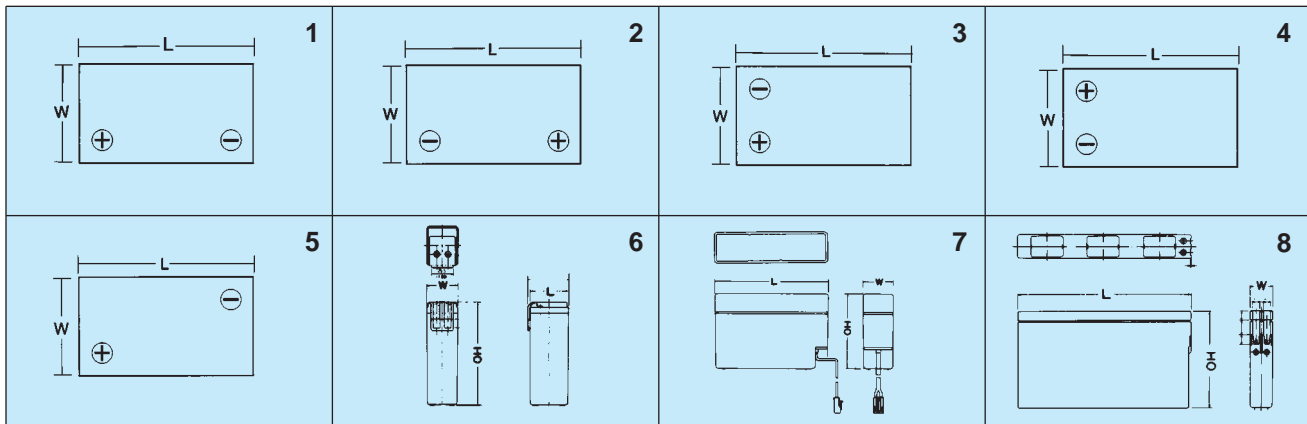
■ Otros

- Evite los cortocircuitos o fuegos cercanos.
- No exponer a llama.
- Evite el contacto de la bateria con gasolina, solventes, resinas sinteticas, thinner, aceites, etc.

TENSION FINAL DE DESCARGA

| Corriente de descarga | Voltaje final de descarga (V/celda) |
|--|-------------------------------------|
| 0.1 C o menor, o descargas intermitentes | 1.75 |
| 0.1 7C o corriente cercana a esta | 1.70 |
| 0.26C o corriente cercana a esta | 1.67 |
| 0.6C o corriente cercana a esta | 1.60 |
| Desde 0.6C a 3 | 1.50 |
| Corriente en exceso (>3C) | 1.30 |

• LAYOUT



• TERMINAL

| <table border="1"> <thead> <tr> <th colspan="2">INCH = MM</th> </tr> </thead> <tbody> <tr><td>.250</td><td>6.35</td></tr> <tr><td>.185</td><td>4.70</td></tr> <tr><td>.124</td><td>3.15</td></tr> <tr><td>.098</td><td>2.50</td></tr> <tr><td>.059</td><td>1.50</td></tr> <tr><td>.031</td><td>0.80</td></tr> <tr><td>.020</td><td>0.50</td></tr> <tr><td>.004</td><td>0.10</td></tr> </tbody> </table> <p>Faston tab : 187 A</p> | INCH = MM | | .250 | 6.35 | .185 | 4.70 | .124 | 3.15 | .098 | 2.50 | .059 | 1.50 | .031 | 0.80 | .020 | 0.50 | .004 | 0.10 | <table border="1"> <thead> <tr> <th colspan="2">INCH = MM</th> </tr> </thead> <tbody> <tr><td>0.472</td><td>12.00</td></tr> <tr><td>0.250</td><td>6.35</td></tr> <tr><td>0.236</td><td>6.00</td></tr> <tr><td>0.185</td><td>4.70</td></tr> <tr><td>0.079</td><td>2.00</td></tr> <tr><td>0.020</td><td>0.50</td></tr> </tbody> </table> <p>Faston tab: 187 B</p> | INCH = MM | | 0.472 | 12.00 | 0.250 | 6.35 | 0.236 | 6.00 | 0.185 | 4.70 | 0.079 | 2.00 | 0.020 | 0.50 | <table border="1"> <thead> <tr> <th colspan="2">INCH = MM</th> </tr> </thead> <tbody> <tr><td>.250</td><td>6.35</td></tr> <tr><td>.124</td><td>3.15</td></tr> <tr><td>.098</td><td>2.50</td></tr> <tr><td>.059</td><td>1.50</td></tr> <tr><td>.031</td><td>0.80</td></tr> <tr><td>.020</td><td>0.50</td></tr> </tbody> </table> <p>Faston tab :250 C</p> | INCH = MM | | .250 | 6.35 | .124 | 3.15 | .098 | 2.50 | .059 | 1.50 | .031 | 0.80 | .020 | 0.50 |
|---|-----------|--|------|------|------|------|------|------|------|------|-------|------|--|---|------|------|-------|------|---|-----------|-------|-------|-------|-------|------|--|-----------|-------|------|-------|------|-------|------|--|-----------|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| INCH = MM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .250 | 6.35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .185 | 4.70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .124 | 3.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .098 | 2.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .059 | 1.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .031 | 0.80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .020 | 0.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .004 | 0.10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INCH = MM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.472 | 12.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.250 | 6.35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.236 | 6.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.185 | 4.70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.079 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.020 | 0.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INCH = MM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .250 | 6.35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .124 | 3.15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .098 | 2.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .059 | 1.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .031 | 0.80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .020 | 0.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| INCH = MM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .310 | 7.90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .250 | 6.35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .16 | 4.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .031 | 0.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .020 | 0.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INCH = MM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .472 | 12.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .453 | 11.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .433 | 11.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .216 | 5.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .079 | 2.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INCH = MM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .669 | 17.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .216 | 5.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .295 | 7.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .197 | 5.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| INCH = MM | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.24 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.27 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.37 | 9.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.71 | 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.768 | 19.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>UNF#10-32</p> <p>Threaded Receptacle K</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



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