

Nuts

Compact / Acorn / Tall / Configurable Length / Knurled

Nuts – Compact
 PACK- includes 10 pcs

SNTRC
SNTRCS Thin
PACK-SNTRC
PACK-SNTRCS Thin

Material: 304 Stainless Steel
 *Strength Class SNTRC: 5T Equivalent SNTRCS: 4T Equivalent

RoHS 10

| Part Number | | (Coarse) Pitch | B | (e) | T | T ₁ |
|-----------------|------|----------------|------|------|-----|----------------|
| SNTRC SNTRCS | M | | | | | |
| | 4 | 0.7 | 6 | 6.9 | 2.4 | 2 |
| | 5 | 0.8 | 7 | 8.1 | 3.2 | 2.5 |
| | 6 | 1.0 | 8 | 9.2 | 3.6 | 3 |
| | 8 | 1.25 | 10 | 11.5 | 5 | 4 |
| 10 | 1.5 | 13 | 15 | 6 | 4.5 | |
| 12 | 1.75 | 17 | 19.6 | 7 | 5.5 | |

| Part Number | | (Coarse) Pitch | B | (e) | T | T ₁ | Qty. |
|---------------------------|------|----------------|------|------|-----|----------------|------|
| PACK-SNTRC PACK-SNTRCS | M | | | | | | |
| | 4 | 0.7 | 6 | 6.9 | 2.4 | 2 | 10 |
| | 5 | 0.8 | 7 | 8.1 | 3.2 | 2.5 | 10 |
| | 6 | 1.0 | 8 | 9.2 | 3.6 | 3 | 10 |
| | 8 | 1.25 | 10 | 11.5 | 5 | 4 | 10 |
| | 10 | 1.5 | 13 | 15 | 6 | 4.5 | 10 |
| 12 | 1.75 | 17 | 19.6 | 7 | 5.5 | 10 | |

Part Number Example: **SNTRC5**
 Part Number: **PACK-SNTRC4**

Nuts – Domed (Acorn)

| Type | Material | Surface Treatment |
|------|-----------------------------------|-------------------|
| FNT | 304 Stainless Steel or Equivalent | — |

JIS B 1183 (3 Type)

Hexagon nut section and the dome section are welded together.

RoHS 10

| Part Number | | M (Coarse) | H | h | B | A (min.) | T (min.) | (e) (Approx.) | r (Approx.) |
|-------------|----|------------|-----|-----|------|----------|----------|---------------|-------------|
| FNT | 3 | 5.0 | 2.4 | 5.5 | 4.6 | 0.3 | 6.1 | 0.5 | |
| | 4 | 6.2 | 3.2 | 7 | 5.6 | | 8.1 | | |
| | 5 | 7.5 | 4 | 8 | 6.6 | 0.6 | 9.2 | 0.5 | |
| | 6 | 9.5 | 5 | 10 | 8.5 | | 11.5 | | |
| | 8 | 12.5 | 6.5 | 13 | 11.5 | 0.8 | 15 | | |
| | 10 | 15.5 | 8 | 17 | 14.5 | 1.0 | 19.6 | | |
| | 12 | 18.5 | 10 | 19 | 16.5 | 1.2 | 21.9 | | |
| | 16 | 24 | 13 | 24 | 21.5 | | 27.7 | | |
| | 20 | 29 | 16 | 30 | 26.5 | 1.6 | 34.6 | | |
| | 24 | 35.5 | 19 | 36 | 32.5 | 2.0 | 41.6 | | |

Part Number Example: **FNT20**

Nuts – Tall

| Type | Material | Surface Treatment | Hardness |
|------|---------------------------------|-----------------------------------|----------------|
| NT | 1045 Carbon Steel or Equivalent | Trivalent Bright Chromate Plating | 25-30 HRC min. |
| SNT | 304 Stainless Steel | — | — |

RoHS 10

| Part Number | | M (Coarse) | H | B | (C) | D ₁ |
|-------------|----|------------|----|------|------|----------------|
| NT SNT | 6 | 9 | 10 | 11.5 | 9.8 | |
| | 8 | 12 | 13 | 15 | 12.5 | |
| | 10 | 15 | 17 | 19.6 | 16.5 | |
| | 12 | 18 | 19 | 21.9 | 18 | |
| | 16 | 24 | 24 | 27.7 | 23 | |
| | 20 | 30 | 30 | 34.6 | 29 | |
| | 24 | 36 | 36 | 41.6 | 34 | |

Part Number Example: **NT6**

Nuts – Configurable Length

| Type | Material | Surface Treatment |
|-------|---------------------|----------------------------|
| NTFL | 1018 Carbon Steel | Electroless Nickel Plating |
| NTFLS | 304 Stainless Steel | — |

RoHS 10

| Part Number | | M (Coarse) | L 1 mm Increment | B | (C) | D ₁ |
|---------------|----|------------|------------------|------|------|----------------|
| NTFL NTFLS | 3 | 3-10 | 6 | 6.9 | 5.3 | |
| | 4 | 4-15 | 7 | 8.1 | 6.8 | |
| | 5 | 5-20 | 8 | 9.2 | 7.8 | |
| | 6 | 6-25 | 10 | 11.5 | 9.8 | |
| | 8 | 8-30 | 13 | 15 | 12.5 | |
| | 10 | 10-40 | 17 | 19.6 | 16.5 | |
| | 12 | 10-50 | 19 | 21.9 | 18 | |
| | 16 | 10-50 | 24 | 27.7 | 23 | |

Part Number Example: **NTFL6 - L 10**

Nuts – Knurled

| Type | Material | Surface Treatment |
|-------|---------------------------------|-------------------|
| FRNT | 1045 Carbon Steel or Equivalent | Black Oxide |
| FRNTS | 304 Stainless Steel | — |

RoHS 10

| Part Number | | M (Coarse) | D | T | E | B |
|---------------|----|------------|----|----|-----|----|
| FRNT FRNTS | 3 | 12 | 3 | 5 | 0.5 | 6 |
| | 4 | 16 | 4 | 6 | 0.5 | 8 |
| | 5 | 20 | 5 | 8 | 0.5 | 10 |
| | 6 | 24 | 6 | 8 | 1 | 12 |
| | 8 | 30 | 8 | 10 | 1 | 16 |
| | 10 | 36 | 10 | 12 | 1 | 20 |

Part Number Example: **FRNT8 - D 30 - T 10**

Nuts / Round Nuts

Flanged / Cylindrical / with Hexagon Sockets / with Side Holes

Nuts – Flanged

| Type | Material | Surface Treatment |
|--------|------------------------|--------------------|
| FRNUT | SWCH Carbon Steel10R | Trivalent Chromate |
| FRSNUT | 302 HQ Stainless Steel | — |

RoHS 10

Not serrated

| Part Number | | (Coarse) | D | B | (e) | T | T ₁ (Min.) |
|-----------------|-----|----------|----|------|------|-----------|-----------------------|
| FRNUT FRSNUT | M | | | | | | |
| | 3 | 0.5 | 8 | 5.5 | 6.3 | 3.7 | 1 |
| | 4 | 0.7 | 10 | 7 | 8 | 4.5 (4.2) | 1.1 (0.8) |
| | 5 | 0.8 | 12 | 8 | 9.2 | 5.5 | 1.1 |
| | 6 | 1 | 13 | 10 | 11.5 | 6 | 1.5 |
| | 8 | 1.25 | 17 | 12 | 13.8 | 7.5 | 1.5 |
| 10 | 1.5 | 19 | 14 | 16.2 | 9 | 1.8 | |

T, T₁ () dimension is for FRSNUT.

Part Number Example: **FRNUT5**

Nuts – Cylindrical

RBNT

Material: 304 Stainless Steel

RoHS 10

| Part Number | | M | D | L | W |
|-------------|----|----|----|-----|-----|
| RBNT | 3 | 6 | 8 | 8 | 1 |
| | 4 | 8 | 10 | 10 | 1 |
| | 5 | 10 | 11 | 11 | 1.5 |
| | 6 | 12 | 12 | 12 | 1.5 |
| | 8 | 14 | 16 | 16 | 2 |
| | 10 | 18 | 20 | 20 | 2 |
| 12 | 20 | 24 | 24 | 2.5 | |

Part Number Example: **RBNT10**

Round Nuts – with Hexagon Sockets

| Type | | Material | Hardness | Surface Treatment |
|----------|------|---------------------------------|----------------|---|
| Standard | Long | 1045 Carbon Steel or Equivalent | 35-40 HRC min. | Black Oxide Electroless Nickel Plating |
| RNSB | RNLB | | | |
| RNSM | RNLM | | | |

*Since D dimensions are made to correspond to the head diameter of hexagon socket head cap screws, counterbore tools can be used for recess holes. (For one size larger diameters, for example M4>>M5: Ø8.5)

RoHS 10

| Part Number | | D | L | L ₁ | B | b | b ₁ | C |
|------------------------------|------------|-----|----|----------------|----|-----|----------------|-----|
| RNSB RNSM RNLB RNLM | M (Coarse) | | | | | | | |
| | 4 | 8.5 | 5 | 10 | 4 | 3 | 8 | 0.3 |
| | 5 | 10 | 7 | 13 | 5 | 4 | 10 | 0.3 |
| | 6 | 13 | 9 | 16 | 6 | 5 | 12 | 0.5 |
| | 8 | 16 | 12 | 22 | 8 | 6.5 | 16.5 | 0.5 |
| | 10 | 18 | 14 | 26 | 10 | 8 | 20 | 0.5 |

Part Number Example: **RNSB6**

Round Nuts – with Side Holes

| Type | | Material | Surface Treatment |
|--------|--------|---------------------------------|-------------------|
| Coarse | Fine | 1045 Carbon Steel or Equivalent | Black Oxide |
| CRNT | CRNTS | | |
| SCRNT | SCRNTS | 304 Stainless Steel | — |

Features

- The nuts can be tightened with hex key wrenches using the holes, made to fit the wrenches, on the side.
- The tapped holes can be used for retaining set screws.
- Use in spaces where standard hexagon wrenches cannot reach.

RoHS 10

| Part Number | | M x Pitch Coarse | M x Pitch Fine | D | T | d | b | Applicable Hex Key Wrench Size | M ₁ | C | Available Types | | | |
|--|----------|------------------|----------------|----|------|-----|----|--------------------------------|----------------|-----|-----------------|-------|-------|--------|
| CRNT Coarse CRNTS Fine SCRNT Coarse SCRNTS Fine | M | | | | | | | | | | CRNT | CRNTS | SCRNT | SCRNTS |
| | 10 | 10 x 1.5 | 10 x 1.0 | 25 | 8 | 4.6 | 5 | 4 | 4 | 0.5 | • | • | • | • |
| | 12 | 12 x 1.75 | 12 x 1.0 | 30 | 10 | 5.8 | 6 | 5 | 5 | 0.5 | • | • | • | • |
| | 16 | 16 x 2 | 16 x 1.5 | 38 | 12 | 6.9 | 7 | 6 | 6 | 1 | • | • | • | • |
| | 20 | 20 x 2.5 | — | 45 | 16 | 9.2 | 8 | 8 | 8 | 1 | • | • | • | • |
| | 24 | 24 x 3 | — | 50 | 18 | 9.2 | 9 | 8 | 8 | 1 | • | • | • | • |
| 30 | 30 x 3.5 | — | 60 | 20 | 11.5 | 10 | 10 | 10 | 1 | • | • | • | • | |

Part Number Example: **CRNT10**