# Roller Carriers (Milled Rollers)

## General Nuts, U Nut Rollers - Width 7~9mm

■**Features:** Lightweight as compared to Roller Conveyor, and can be easily installed at various locations.

■Steel

■Stainless Steel

■Plastic

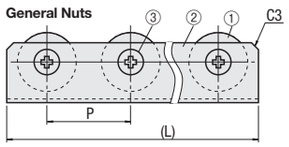
(With Bracket)

| Roller Type | Fixing Nut Type | Roller Pitch P=30 No Bracket | Roller Pitch P=30 With Bracket | Roller Pitch P=35 No Bracket | Material ①Roller | Material Bearing | Material ②Frame | Material ③Screw, Nut | Surface Treatment ①Roller | Surface Treatment ②Frame | Surface Treatment ③Screw, Nut |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Milled Roller | General Nut (JIS Type 3) | CRONF | CRONFB | CRON | Steel | | | | Trivalent Chromate / Hard Chrome Plating | Hot Dip Plating* | Trivalent Chromate |
| | | - | - | CROC | | | | | | | |
| | | - | - | CROS | Stainless Steel | | | | - | - | - |
| | | - | - | CROJ | Polyacetal | Steel | | | - | Hot Dip Plating* | Trivalent Chromate |
| | | - | - | CROJS | | Stainless Steel | | | | - | - |
| | U Nut | CRONFU | - | CRONU | Steel | | | | Trivalent Chromate / Hard Chrome Plating | Trivalent Chromate | |
| | | - | - | CROCU | | | | | | | |
| | | - | - | CROSU | Stainless Steel | | | | - | - | - |

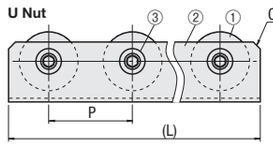
U Nuts have 20 times higher vibration resistance than general nuts, and do not easily come loose.

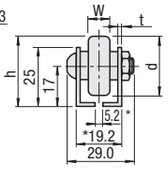
* Hot Dip Plating (Fused Plating of Zinc, Aluminum and Magnesium)

**General Nuts**



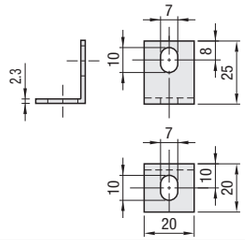

**U Nut**




* Groove width dimension will be 5.2 $^{+1.2}_{0}$ (M5 screw applicable).
* Stainless steel frames are 19.0 width.

④Included Brackets (x4 pcs.)
Selectable by Bracket Type and Alterations.
Brackets are steel for CRONFB




| Type | h | d | W | t |
|---|---|---|---|---|
| CRONF, CRONFB, CRON, CROC CRONFU, CRONU, CROCU | 29.5 | 25 | 9 | 1.6 |
| CROS, CROSU | | | | 1.5 |
| CROJ CROJS | 30 | 26 | 7 | 1.6 |
| | | | | 1.5 |

■**Allowable Load per Wheel**

| Wheel Material | Allowable Load |
|---|---|
| Steel, Stainless Steel | 30kgf (294N) |
| Polyacetal | 20kgf (196N) |

■**Method for Mounting Brackets**
Remove 2 nuts from where the bracket is desired to be mounted, and mount the bracket using the included screws.

| Part Number Type | Wheel Qty. | (L) P=30 | (L) P=35 | Unit Price General Nuts CRONF CRON | CROC | CROS | CROJ | CROJS | CRONFB | Unit Price U Nut CRONFU CRONU | CROCU | CROSU |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| With General Nuts / With U Nuts | 2 | (58) | (68) | | | | | | | | | |
| | 3 | (88) | (103) | | | | | | | | | |
| | 4 | (118) | (138) | | | | | | | | | |
| | 5 | (148) | (173) | | | | | | | | | |
| | 6 | (178) | (208) | | | | | | | | | |
| | 7 | (208) | (243) | | | | | | | | | |
| | 8 | (238) | (278) | | | | | | | | | |
| | 9 | (268) | (313) | | | | | | | | | |
| | 10 | (298) | (348) | | | | | | | | | |
| | 11 | (328) | (383) | | | | | | | | | |
| | 12 | (358) | (418) | | | | | | | | | |
| | 13 | (388) | (453) | | | | | | | | | |
| | 14 | (418) | (488) | | | | | | | | | |
| | 15 | (448) | (523) | | | | | | | | | |
| | 16 | (478) | (558) | | | | | | | | | |
| | 17 | (508) | (593) | | | | | | | | | |
| | 18 | (538) | (628) | | | | | | | | | |
| | 19 | (568) | (663) | | | | | | | | | |
| | 20 | (598) | (698) | | | | | | | | | |
| | 21 | (628) | (733) | | | | | | | | | |
| | 22 | (658) | (768) | | | | | | | | | |
| | 23 | (688) | (803) | | | | | | | | | |
| | 24 | (718) | (838) | | | | | | | | | |
| | 25 | (748) | (873) | | | | | | | | | |
| | 26 | (778) | (908) | | | | | | | | | |
| | 27 | (808) | (943) | | | | | | | | | |
| | 28 | (838) | (978) | | | | | | | | | |
| | 29 | (868) | (1013) | | | | | | | | | |
| | 30 | (898) | (1048) | | | | | | | | | |
| | 31 | (928) | (1083) | | | | | | | | | |
| | 32 | (958) | (1118) | | | | | | | | | |
| | 33 | (988) | (1153) | | | | | | | | | |

With General Nuts
**CRONF** (Steel)
**CRON** (Steel)
**CROC** (Steel + Hard Chrome Plating)
**CROS** (Stainless Steel)
**CROJ** (Plastic)
**CROJS** (Plastic Roller, Stainless Steel Frame)
**CRONFB** (With Steel Brackets)

With U Nuts
**CRONFU** (Steel)
**CRONU** (Steel)
**CROCU** (Steel + Hard Chrome Plating)
**CROSU** (Stainless Steel)

Ordering Example — Part Number: CROS25, CRONU30

Alterations — Part Number - (BC, BS, CC): CRON25 - BC

| Alterations | Code | Spec. |
|---|---|---|
| Mounting Brackets | BC / BS | 4 Mounting Brackets are included. Ordering Code BC |
| CC / Change C3 to C8 | CC | Chamfer frame corners Change dimensions. Ordering Code CC |

⊗BS Alterations cannot be done for CRONFB
Only applicable to General Nuts

■**Replacement Wheels**

| Corresponding Products | Individual Wheel Part Number |
|---|---|
| CRONF, CRON, CRONFB, CRONFU, CRONU | HMH25-16 |
| CROS, CROSU | HMHS25-16 |

For details on Wheel Dimensions, see **P.1171**



# Roller Carriers (Press Formed Rollers, Urethane Lined Milled Rollers)

## General Nut Rollers - Width 9, 10mm

■**Features:** It is a product that can be easily assembled at various locations as it is lightweight. Press Formed Rollers are inexpensive and Urethane Rollers keep the work intact.

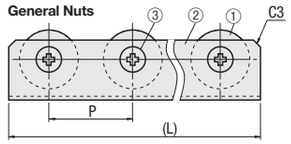
■Press Formed Rollers

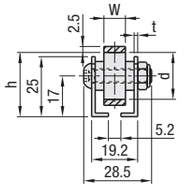
■Urethane Rollers

| Roller Type | Fixing Nut Type | Roller Pitch P=35 No Bracket | Material ①Roller | Material Bearing | Material ②Frame | Material ③Screw, Nut | Surface Treatment ①Roller | Surface Treatment ②Frame | Surface Treatment ③Screw, Nut |
|---|---|---|---|---|---|---|---|---|---|
| Press Formed Rollers | General Nut (JIS Type 3) | CROP | Steel | | | | Trivalent Chromate | | |
| Urethane Lined Milled Rollers | | CRONUR | Urethane | Steel | | | Trivalent Chromate | | |
| | | CROSUR | | Stainless Steel | | | - | - | - |

The Urethane is Shore A90 Black.

**General Nuts**




* Groove width dimension will be 5.2 $^{+1.2}_{0}$ (M5 screw applicable).

■**Allowable Load per Wheel**

| Wheel Material | Allowable Load |
|---|---|
| Urethane | 30kgf (294N) |
| Brace | 15 kgf (147N) |

| Type | h | d | W | t |
|---|---|---|---|---|
| CRONUR | 29.5 | 25 | 9 | 1.6 |
| CROSUR | | | | 1.5 |
| CROP | 29.7 | 25.4 | 10 | 1.6 |

| Part Number Type | Number of Wheels | (L) P=35 | Unit Price Press Formed Rollers CROP | Urethane Lined Milled Rollers CRONUR | Urethane Lined Milled Rollers CROSUR |
|---|---|---|---|---|---|
| ■Press Formed Rollers CROP (Steel) | 2 | (68) | | | |
| | 3 | (103) | | | |
| | 4 | (138) | | | |
| | 5 | (173) | | | |
| | 6 | (208) | | | |
| | 7 | (243) | | | |
| | 8 | (278) | | | |
| | 9 | (313) | | | |
| | 10 | (348) | | | |
| | 11 | (383) | | | |
| | 12 | (418) | | | |
| | 13 | (453) | | | |
| | 14 | (488) | | | |
| ■Urethane Lined Milled Rollers CRONUR (Steel) CROSUR (Stainless Steel) | 15 | (523) | | | |
| | 16 | (558) | | | |
| | 17 | (593) | | | |
| | 18 | (628) | | | |
| | 19 | (663) | | | |
| | 20 | (698) | | | |
| | 21 | (733) | | | |
| | 22 | (768) | | | |
| | 23 | (803) | | | |
| | 24 | (838) | | | |
| | 25 | (873) | | | |
| | 26 | (908) | | | |
| | 27 | (943) | | | |
| | 28 | (978) | | | |
| | 29 | (1013) | | | |
| | 30 | (1048) | | | |
| | 31 | (1083) | | | |
| | 32 | (1118) | | | |
| | 33 | (1153) | | | |

Ordering Example — Part Number: CROP10, CROSUR20

For loading weight, 30kgf (294N) per wheel for Urethane Rollers, and 15kgf (147N) for Press Formed Rollers.

Alterations — Part Number - (CC): CROP30 - CC

| Alterations | Code | Spec. |
|---|---|---|
| CC / Change C3 to C8 | CC | Chamfer frame corners Change dimensions. Ordering Code CC |