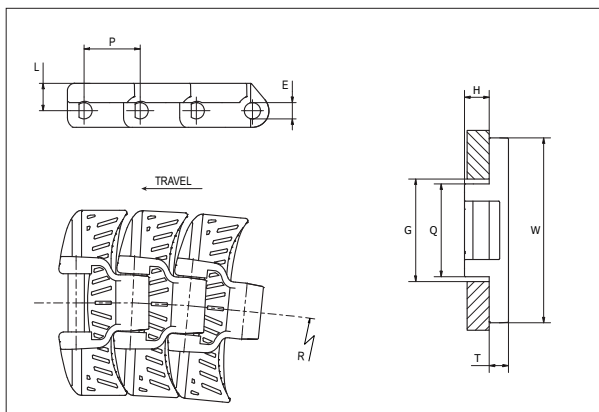
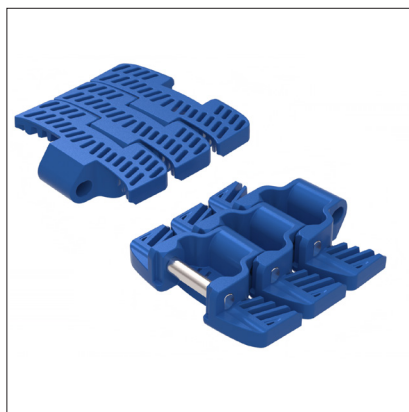




# Slat Top Plastic Chain

Series **uni 253 FG** Type **Magnetic**



## Slat Top Plastic Chain

Side flexing chain  
Pitch: 25.4 mm (1.00 in)  
Backflex radius:  
200 mm (7.87 in)  
Permissible tensile strength:  
All POM materials: 1500 N  
(337 lbf)  
Standard shipping lengths:  
boxes of 120 links  
= 3.048 m (10.0 ft)

| E   |      | G    |      | H    |      | L    |      | P    |      | Q    |      | T   |      |
|-----|------|------|------|------|------|------|------|------|------|------|------|-----|------|
| mm  | in   | mm   | in   | mm   | in   | mm   | in   | mm   | in   | mm   | in   | mm  | in   |
| 7.1 | 0.28 | 44.0 | 1.73 | 11.3 | 0.44 | 12.4 | 0.49 | 25.4 | 1.00 | 42.0 | 1.65 | 8.7 | 0.34 |

All dimensions are for chains in POM material.

| Width (W)   |       |      | Material & color                                    | Pin material | Weight |       | Min. radius (R) |       |
|-------------|-------|------|-----------------------------------------------------|--------------|--------|-------|-----------------|-------|
|             | mm    | in   |                                                     |              | kg/m   | lb/ft | mm              | in    |
| <b>K330</b> | 83.8  | 3.30 | POM-D <b>B</b><br>POM-DK <b>DG</b><br>DRX <b>LB</b> | <b>SS431</b> | 1.34   | 0.90  | 500             | 19.69 |
| <b>K450</b> | 114.3 | 4.50 | POM-D <b>B</b><br>DRX <b>LB</b>                     | <b>SS431</b> | 1.76   | 1.18  | 500             | 19.69 |

Non standard material and color: See uni Material and Color Overview.

Non standard pin material: See uni Material and Color Overview.

STANDARD

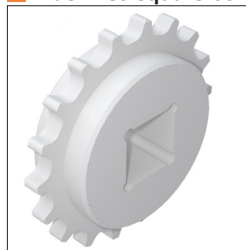
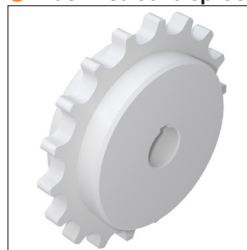
SIDE FLEXING

PITCH 25.4 MM/1.00 IN

## Sprocket

| No. of teeth |    |                                                                                   | Metric bore                                                                       |                                                                                   |                                                                                   | Imperial bore                                                                     |                                                                                   | Overall diameter |       | Pitch diameter |      | Hub diameter |      | Dimension A |      | Dimension B |      | Machined solid sprocket PA6  | Machined solid Idler PA6  |
|--------------|----|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------|-------|----------------|------|--------------|------|-------------|------|-------------|------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
|              | in | 0.32                                                                              | 0.98                                                                              | 1.18                                                                              | 1.57                                                                              | 1.00                                                                              | 1.50                                                                              |                  |       |                |      |              |      |             |      |             |      |                                                                                                                 |                                                                                                              |
|              | mm | Pilot-Bore                                                                        | 25.0                                                                              | 30.0                                                                              | 40.0                                                                              | 25.4                                                                              | 38.1                                                                              | mm               | in    | mm             | in   | mm           | in   | mm          | in   |             |      |                                                                                                                 |                                                                                                              |
| Z16          |    |  |  |  |  |  |  | 132.1            | 5.20  | 130.2          | 5.13 | 110.0        | 4.33 | 67.5        | 2.66 | 78.3        | 3.08 |                              |                           |
| Z18          |    |  |  |  |  |  |  | 148.5            | 5.85  | 146.3          | 5.76 | 126.0        | 4.96 | 75.7        | 2.98 | 86.2        | 3.39 |                              |                           |
| Z21          |    |  |  |  |  |  |  | 179.9            | 7.08  | 170.4          | 6.71 | 150.0        | 5.91 | 88.0        | 3.46 | 98.3        | 3.87 |                              |                           |
| Z31          |    |  |  |  |  |  |  | 254.2            | 10.01 | 251.1          | 9.89 | 230.0        | 9.06 | 128.6       | 5.06 | 138.4       | 5.45 |                              |                           |

● Machined solid sprocket ■ Machined square bore

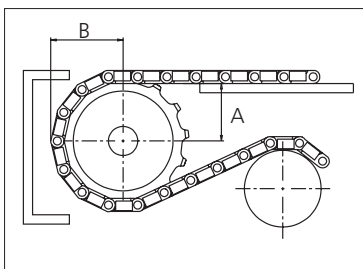


Non standard material and color:  
See uni Material and Color Overview.  
Width of tooth: 11.0 mm (0.43 in)  
Width of sprocket: 30.0 mm (1.18 in)

## Two-part sprocket

| No. of teeth |    |                                                                                     |                                                                                     |                                                                                     | Overall diameter |       | Pitch diameter |      | Hub diameter |      | Dimension A |      | Dimension B |      | Machined split sprocket  | Machined split idler  |
|--------------|----|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------|-------|----------------|------|--------------|------|-------------|------|-------------|------|---------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
|              | in | 0.32                                                                                | 0.98                                                                                | 1.57                                                                                |                  |       |                |      |              |      |             |      |             |      |                                                                                                               |                                                                                                            |
|              | mm | Pilot-Bore                                                                          | 25.0                                                                                | 40.0                                                                                | mm               | in    | mm             | in   | mm           | in   | mm          | in   | mm          | in   |                                                                                                               |                                                                                                            |
| Z16          |    |  |  |  | 132.1            | 5.20  | 130.2          | 5.13 | 110.0        | 4.33 | 67.5        | 2.66 | 78.3        | 3.08 |                          |                       |
| Z18          |    |  |  |  | 148.5            | 5.85  | 146.3          | 5.76 | 126.0        | 4.96 | 75.7        | 2.98 | 86.2        | 3.39 |                          |                       |
| Z21          |    |  |  |  | 179.9            | 7.08  | 170.4          | 6.71 | 150.0        | 5.91 | 88.0        | 3.46 | 98.3        | 3.87 |                          |                       |
| Z31          |    |  |  |  | 254.2            | 10.01 | 251.1          | 9.89 | 230.0        | 9.06 | 128.6       | 5.06 | 138.4       | 5.45 |                          |                       |

● Machined two-part sprocket



Please ensure that sufficient size shaft and keyway are chosen for corresponding load.

Non standard material and color:  
See uni Material and Color Overview.

Other sprocket sizes are available upon request  
Width of tooth: 11.0 mm (0.43 in)  
Width of sprocket: 30.0 mm (1.18)  
uni Retainer Rings: See uni Retainer Ring data sheet  
uni Idler: See uni Idler data sheet



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