

ARCHITECTURAL CEILING HANGERS

Our recommendations are always based on our best spring products because the additional cost is low compared to the risk of poor performance. Hanger cost is a small percentage of an acoustical ceiling and it is most important that these sensitive systems are installed with the very best chances of success.

Primitive Spring hangers have been around for years but oddly enough, rubber hangers for a much shorter period because the industry had to get past using cork, combination cork and rubber, and fiberglass before we had a better understanding of Low Dynamic Stiffness rubber elements.



30NCC

Ceiling Hangers shall be fail safe and include a steel frame containing an AASHTO Bridge Bearing Quality LDS Rubber Element at the top and a nominal 1" deflection steel spring at the bottom. Springs shall be seated in an LDS cup with a rubber bushing extending through the box to prevent metal to metal contact between the steel suspension rod and the frame.

Dynamic Stiffness of Cup and Element shall not exceed 1.4. The ID of the bushing must allow a 30° swing from side to side before rod contact. Springs shall be factory precompressed to 70% of the assigned deflection. Hangers shall be Mason Industries 30NCC for 11/2 x 1/2 channel, W30N for wire, or W30NCC for wire and channel. Submittals shall confirm AASHTO Quality and Dynamic Stiffness in addition to deflection.

SIZE	SPRING COLOR
12 lbs – 5 kg	Orange
23 lbs – 10 kg	Brown
33 lbs – 15 kg	Red
54 lbs – 24 kg	White
76 lbs – 34 kg	Black
113 lbs – 51 kg	Yellow
130 lbs – 59 kg	Purple
175 lbs – 79 kg	Silver
210 lbs – 95 kg	Blue

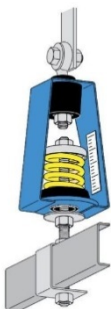


30CC

Ceiling Hangers shall be fail safe and include a steel frame containing a nominal 1" deflection steel spring seated in an AASHTO Bridge Bearing Quality Low Dynamic Stiffness Rubber Cup with a rubber bushing extending through the box to prevent metal to metal contact between the steel suspension rod and the frame.

Dynamic Stiffness of the cup shall not exceed 1.4. The ID of the bushing must allow a 30° swing from side to side before rod contact. Springs shall be factory precompressed to 70% of the assigned deflection. Hangers shall be Mason Industries 30CC for 1 1/2 x 1/2 channel, W30 for wire, W30CC for wire and 1 1/2 x 1/2 channel. Submittals shall confirm AASHTO Quality and Dynamic Stiffness in addition to deflection.

SIZE	SPRING COLOR
12 lbs – 5 kg	Orange
23 lbs – 10 kg	Brown
33 lbs – 15 kg	Red
54 lbs – 24 kg	White
76 lbs – 34 kg	Black
113 lbs – 51 kg	Yellow
130 lbs – 59 kg	Purple
175 lbs – 79 kg	Silver
210 lbs – 95 kg	Blue

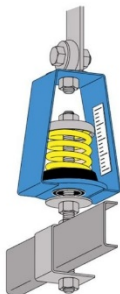


W30NCC

Ceiling Hangers shall be fail safe and include a steel frame containing an AASHTO Bridge Bearing Quality LDS Rubber Element at the top and a nominal 1" deflection steel spring at the bottom. Springs shall be seated in an LDS cup with a rubber bushing extending through the box to prevent metal to metal contact between the steel suspension rod and the frame.

Dynamic Stiffness of Cup and Element shall not exceed 1.4. The ID of the bushing must allow a 30° swing from side to side before rod contact. Springs shall be factory precompressed to 70% of the assigned deflection. Hangers shall be Mason Industries 30NCC for 11/2 x 1/2 channel, W30N for wire, or W30NCC for wire and channel. Submittals shall confirm AASHTO Quality and Dynamic Stiffness in addition to deflection.

<u>SIZE</u>	<u>SPRING COLOR</u>
12 lbs – 5 kg	Orange
23 lbs – 10 kg	Brown
33 lbs – 15 kg	Red
54 lbs – 24 kg	White
76 lbs – 34 kg	Black
113 lbs – 51 kg	Yellow
130 lbs – 59 kg	Purple
175 lbs – 79 kg	Silver
210 lbs – 95 kg	Blue

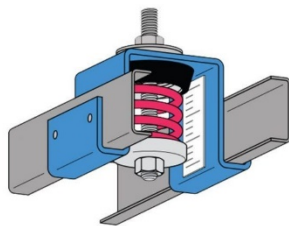


W30CC

Ceiling Hangers shall be fail safe and include a steel frame containing a nominal 1" deflection steel spring seated in an AASHTO Bridge Bearing Quality Low Dynamic Stiffness Rubber Cup with a rubber bushing extending through the box to prevent metal to metal contact between the steel suspension rod and the frame. Dynamic Stiffness of the cup shall not exceed 1.4.

The ID of the bushing must allow a 30° swing from side to side before rod contact. Springs shall be factory precompressed to 70% of the assigned deflection. Hangers shall be Mason Industries 30CC for 11/2 x 1/2 channel, W30 for wire, W30CC for wire and 11/2 x 1/2 channel. Submittals shall confirm AASHTO Quality and Dynamic Stiffness in addition to deflection.

SIZE	SPRING COLOR
12 lbs – 5 kg	Orange
23 lbs – 10 kg	Brown
33 lbs – 15 kg	Red
54 lbs – 24 kg	White
76 lbs – 34 kg	Black
113 lbs – 51 kg	Yellow
130 lbs – 59 kg	Purple
175 lbs – 79 kg	Silver
210 lbs – 95 kg	Blue

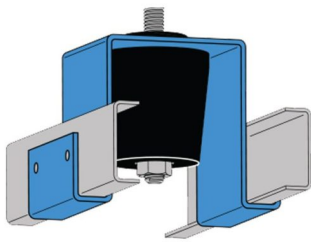


30CSCH

Ceiling Hangers shall have a steel frame formed to minimize height by supporting 11/2 x 1/2 ceiling channels on either side of a 1" nominal deflection centered spring. The spring shall be seated in an AASHTO Bridge Bearing Quality LDS Rubber Cup with a rubber bushing extending through the frame to prevent metal to metal contact between the steel suspension rod and the frame. Rubber Dynamic Stiffness shall not exceed 1.4. The ID of the bushing must allow a 30° swing from side to side before rod contact. Springs shall be factory precompressed to 70% of the assigned deflection. Hangers shall be Mason Industries 30CSCH. Submittals shall confirm AASHTO Quality and Dynamic Stiffness in addition to deflection.

SIZE	SPRING COLOR
12 lbs – 5 kg	Orange

23 lbs – 10 kg	Brown
33 lbs – 15 kg	Red
54 lbs – 24 kg	White
76 lbs – 34 kg	Black
113 lbs – 51 kg	Yellow
130 lbs – 59 kg	Purple
175 lbs – 79 kg	Silver
210 lbs – 95 kg	Blue



CRCH

Ceiling Hangers shall have a steel frame formed to minimize height by holding an 11/2 x 1/2 ceiling channel on either side of an AASHTO Bridge Bearing Quality LDS Rubber Element molded with an integral lock in grommet at the bottom to prevent steel rod to housing contact. Dynamic Stiffness shall not exceed 1.4 nor the corrected frequency 8 Hz. Ceiling Hangers shall be Mason Industries CRCH. Submittals shall confirm AASHTO Quality and Dynamic Stiffness in addition to frequency.

<u>SIZE (LBS)</u>	<u>SIZE (KG)</u>	<u>SPRING COLOR</u>
20 lbs – 50 lbs	9 kg – 23 kg	A – Green
40 lbs – 90 lbs	18 kg – 42 kg	A – Red
80 lbs – 180 lbs	36 kg – 82 kg	A – White



WHR

Ceiling Hangers shall be fail safe and consist of opposed washers sandwiching an AASHTO Bridge Bearing Quality LDS Rubber Element 1 1/8" thick. Dynamic Stiffness shall not exceed 1.4" nor the corrected frequency 12 Hz. Connections shall be made with 12 gauge wire top and bottom passing through hairpin loops attached to the opposing washers. Ceiling Hangers shall be Mason Industries type WHR. Submittals shall confirm AASHTO Quality and Dynamic Stiffness in addition to frequency.

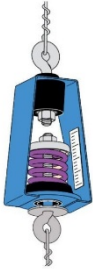


WHD

Ceiling Hangers shall be fail safe and include a steel frame containing an AASHTO Bridge Bearing Quality LDS Rubber Element at the top and a nominal 1" deflection steel spring at the bottom. Springs shall be seated in an LDS cup with a rubber bushing extending through the box to prevent metal to metal contact between the steel suspension rod and the frame.

Dynamic Stiffness of Cup and Element shall not exceed 1.4. The ID of the bushing must allow a 30° swing from side to side before rod contact. Springs shall be factory precompressed to 70% of the assigned deflection. Hangers shall be Mason Industries 30NCC for 1 1/2 x 1/2 channel, W30N for wire, or W30NCC for wire and channel. Submittals shall confirm AASHTO Qualit

<u>SIZE (LBS)</u>	<u>SIZE (KG)</u>	<u>SPRING COLOR</u>
20 lbs – 50 lbs	9 kg – 23 kg	A – Green
40 lbs – 90 lbs	18 kg – 42 kg	A – Red
80 lbs – 180 lbs	36 kg – 82 kg	A – White



W30N

Ceiling Hangers shall be fail safe and include a steel frame containing an AASHTO Bridge Bearing Quality LDS Rubber Element at the top and a nominal 1" deflection steel spring at the bottom. Springs shall be seated in an LDS cup with a rubber bushing extending through the box to prevent metal to metal contact between the steel suspension rod and the frame.

Dynamic Stiffness of Cup and Element shall not exceed 1.4. The ID of the bushing must allow a 30° swing from side to side before rod contact. Springs shall be factory precompressed to 70% of the assigned deflection. Hangers shall be Mason Industries 30NCC for 11/2 x 1/2 channel, W30N for wire, or W30NCC for wire and channel. Submittals shall confirm AASHTO Quality and Dynamic Stiffness in addition to deflection.

<u>SIZE</u>	<u>SPRING COLOR</u>
12 lbs – 5 kg	Orange
23 lbs – 10 kg	Brown
33 lbs – 15 kg	Red
54 lbs – 24 kg	White
76 lbs – 34 kg	Black
113 lbs – 51 kg	Yellow
130 lbs – 59 kg	Purple
175 lbs – 79 kg	Silver
210 lbs – 95 kg	Blue



W30

Ceiling Hangers shall be fail safe and include a steel frame containing a nominal 1" deflection steel spring seated in an AASHTO Bridge Bearing Quality Low Dynamic Stiffness Rubber Cup with a rubber bushing extending through the box to prevent metal to metal contact between the steel suspension rod and the frame. Dynamic Stiffness of the cup shall not exceed 1.4.

The ID of the bushing must allow a 30° swing from side to side before rod contact. Springs shall be factory precompressed to 70% of the assigned deflection. Hangers shall be Mason Industries 30CC for 11/2 x 1/2 channel, W30 for wire, W30CC for wire and 11/2 x 1/2 channel. Submittals shall confirm AASHTO Quality and Dynamic Stiffness in addition to deflection.

<u>SIZE</u>	<u>SPRING COLOR</u>
12 lbs – 5 kg	Orange
23 lbs – 10 kg	Brown
33 lbs – 15 kg	Red
54 lbs – 24 kg	White
76 lbs – 34 kg	Black
113 lbs – 51 kg	Yellow
130 lbs – 59 kg	Purple
175 lbs – 79 kg	Silver
210 lbs – 95 kg	Blue

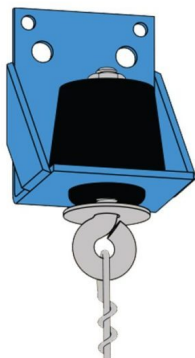


W30SM

Ceiling Hangers shall consist of a side attachment steel angle gusseted on each side to prevent bending. The gussets shall protect a 1" nominal deflection steel spring seated in a Bridge Bearing Quality LDS Rubber Cup with a rubber bushing extending through the horizontal leg to prevent metal to metal contact between the steel suspension rod and the frame. Rubber Dynamic Stiffness shall not exceed 1.4.

The ID of the bushing must allow a 30° swing from side to side before rod contact. Springs shall be factory precompressed to 70% of the assigned deflection. Hangers shall be Mason Industries W30SM for ceiling wire attachment or 30SMCC if 11/2 x 1/2 ceiling channels are used. Submittals shall confirm AASHTO Quality and Dynamic Stiffness in addition to spring deflection.

<u>SIZE</u>	<u>SPRING COLOR</u>
12 lbs – 5 kg	Orange
23 lbs – 10 kg	Brown
33 lbs – 15 kg	Red
54 lbs – 24 kg	White
76 lbs – 34 kg	Black
113 lbs – 51 kg	Yellow
130 lbs – 59 kg	Purple
175 lbs – 79 kg	Silver
210 lbs – 95 kg	Blue



WHDSM

Ceiling Hangers shall consist of a side attachment steel angle gusseted on each side to prevent bending. The gussets shall protect an AASHTO Bridge Bearing Quality LDS Rubber Element molded with an integral lock in grommet at the bottom to prevent steel rod to housing acoustical short circuiting. Dynamic Stiffness shall not exceed 1.4 nor the corrected frequency 8 Hz. Housing configurations shall be offered for simple attachment to 11/2 x 1/2

channels or 12 gauge wire. Ceiling Hangers shall be Mason Industries HDSMCC or WHDSM. Submittals shall confirm AASHTO Quality and Dynamic Stiffness in addition to frequency.

<u>SIZE (LBS)</u>	<u>SIZE (KG)</u>	<u>SPRING COLOR</u>
20 lbs – 50 lbs	9 kg – 23 kg	A – Green
40 lbs – 90 lbs	18 kg – 42 kg	A – Red
80 lbs – 180 lbs	36 kg – 82 kg	A – White