STANLEY®
Security Solutions

5 KNUCKLE

BALL BEARING HINGES

STANLEY®

STANLEY ARCHITECTURAL HARDWARE

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COMPANY HISTORY

The Stanley Works
New Britain, CT in 1843

As a young man in 1843, Frederick T. Stanley founded The Stanley Works – a small company located in New Britain, Connecticut that manufactured hinges, bolts and other door hardware in a one-story wooden building.

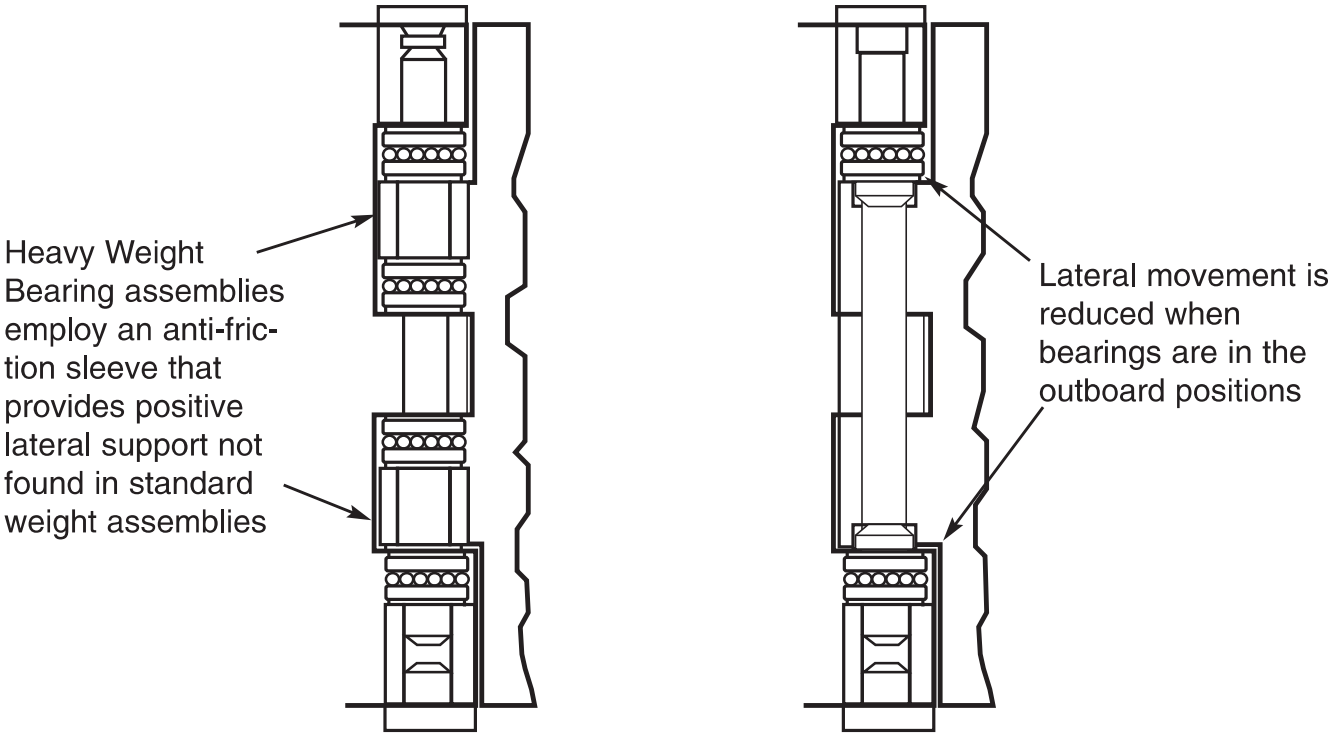
Mr. Stanley's vision was to create a hardware company with unsurpassed customer service, product innovation and integrity – and to offer products that would become the first choice among professionals around the world.

With the early success of this mission and an increasing demand for his high-quality goods, Mr. Stanley began exporting his products in the 1870s.

Today, Stanley is a global organization supplying hardware and tools for the architectural, consumer, industrial and residential markets worldwide. Utilizing state-of-the-art research, manufacturing and quality-control capabilities, Stanley continues to deliver the innovative, high quality products that have made the Stanley name synonymous with the highest craftsmanship and dependability for more than 160 years.

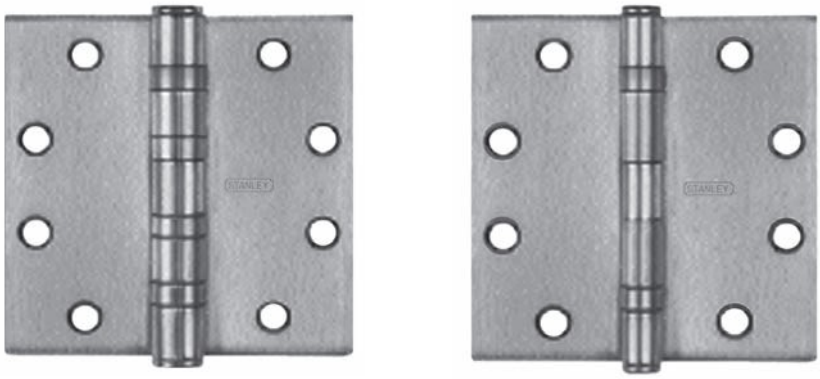
To our valued customers, we appreciate your loyalty over the years and proudly present our Architectural Hardware offering.

Commercial Customer Service: 1-800-337-4393
www.stanleyhardware.com



Heavy Weight **Standard Weight**

- The vertical load of the door is supported by through-hardened chrome alloy, vertical thrust ball bearing assemblies.
- The lateral load of the door is supported by the pin bearing on the inside of the hinge knuckles.
- Large cold headed, drawn stock of the pins and long bearing area within the knuckles distributes lateral wear over a greater area, resulting in increased life of the hinge.
- Approved for use on all types of fire doors up to 4′ x 10′ (1219mm x 3048mm), 8′ x 10′ (2438mm x 3048mm) pairs, to maintain the integrity of fire rated openings and walls. **Refer to NFPA80**.



Heavy Weight **Standard Weight**

5 KNUCKLE FULL MORTISE HINGES

Standard Weight Ball Bearing

FBB179 – (ANSI A8112) Steel – polished and plated or phosphated and prime coated for painting
FBB191 – (ANSI A2112) Brass or bronze – polished and plated or painted
FBB191 (32) – (ANSI A5112) Stainless steel – highly polished
FBB191 (32D) – (ANSI A5112) Stainless steel – satin finish

- For medium weight doors of average frequency
- All hinges have template screw hole location for use on either wood or hollow metal doors and frames
- Equipped with two Stanley permanently lubricated non-detachable ball bearings
- Pins in non-ferrous hinges are stainless steel
- Hole in bottom tip for easy pin removal
- Reversible flush tips and pins
- Hinges can be furnished as follows:
  - with raised barrel (RB)
  - with electric wires and/or switches (CE and/or CS)
  - with hospital tips (HT)
  - with decorative tips
  - with security studs
  - with non-removable pins (NRP)

Size Open		Gauge of Metal		Flat Head Screws Per Piece		Quantity Per Box	Quantity Per Case	Case Weight			
								Bronze		Steel	
Inches	(mm)	Inches	(mm)	Machine	Wood			Lbs.	(Kg)	Lbs.	(Kg)
3 1/2 x 3	(89 x 76)	.123	(3.1)	6 - 10-24 x 1/2	6 -10 x 1	3 EA.	90 EA.	58	(26)	54	(24)
3 1/2 x 3 1/2	(89 x 89)	.123	(3.1)	6 - 10-24 x 1/2	6 -10 x 1	3 EA.	90 EA.	65	(29)	59	(27)
4 x 3 1/2	(102 x 89)	.130	(3.3)	8 - 12-24 x 1/2	8 -12 x 1 1/4	3 EA.	48 EA.	43	(19)	39	(18)
4 x 4	(102 x 102)	.130	(3.3)	8 - 12-24 x 1/2	8 -12 x 1 1/4	3 EA.	48 EA.	45	(20)	42	(19)
4 1/2 x 4	(114 x 102)	.134	(3.4)	8 - 12-24 x 1/2	8 -12 x 1 1/4	3 EA.	48 EA.	55	(25)	52	(24)
4 1/2 x 4 1/2	(114 x 114)	.134	(3.4)	8 - 12-24 x 1/2	8 -12 x 1 1/4	3 EA.	48 EA.	59	(27)	55	(25)
5 x 4	(127 x 102)	.146	(3.7)	8 - 12-24 x 1/2	4 -12 x 1 1/4	3 EA.	30 EA.	41	(19)	39	(18)
5 x 4 1/2	(127 x 114)	.146	(3.7)	8 - 12-24 x 1/2	4 -12 x 1 1/4	3 EA.	30 EA.	45	(20)	43	(19)
5 x 5	(127 x 127)	.146	(3.7)	8 - 12-24 x 1/2	4 -12 x 1 1/4	3 EA.	30 EA.	50	(23)	46	(21)
*6 x 4 1/2	(152 x 114)	.160	(4.1)	10 - 1/4-20 x 1/2	5 -14 x 1 1/2	3 EA.	24 EA.	43	(19)	36	(16)
*6 x 5	(152 x 127)	.160	(4.1)	10 - 1/4-20 x 1/2	5 -14 x 1 1/2	3 EA.	24 EA.	47	(21)	40	(18)
*6 x 6	(152 x 152)	.160	(4.1)	10 - 1/4-20 x 1/2	5 -14 x 1 1/2	3 EA.	24 EA.	67	(30)	61	(28)

* Available in Steel only
Consult factory for other sizes not listed

Heavy Weight Ball Bearing

FBB168 – (ANSI A8111) Steel – polished and plated or phosphated and prime coated for painting
FBB199 – (ANSI A2111) Brass or bronze – polished and plated or painted
FBB199 (32) – (ANSI A5111) Stainless steel – highly polished
FBB199 (32D) – (ANSI A5111) Stainless steel – satin finish

- For use on heavy doors or doors where high frequency is expected such as entrance doors to office buildings, stores, public buildings and corridor entrance doors to offices
- All hinges have template screw hole location for use on either wood or hollow metal doors and frames
- Equipped with four Stanley permanently lubricated non-detachable ball bearings
- Pins in non-ferrous hinges are stainless steel
- Hole in bottom tip for easy pin removal
- Reversible flush tips and pins
- Hinges can be furnished as follows:
  - with raised barrel (RB)
  - with electric wires and/or switches (CE and/or CS)
  - with hospital tips (HT)
  - with decorative tips
  - with security studs
  - with non-removable pins (NRP)

Size Open		Gauge of Metal		Flat Head Screws Per Piece		Quantity Per Box	Quantity Per Case	Case Weight			
								Bronze		Steel	
Inches	(mm)	Inches	(mm)	Machine	Wood			Lbs.	(Kg)	Lbs.	(Kg)
4½ x 4½	(114 x 114)	.180	(4.6)	8 - 12-24 x ½	8 -12 x 1¼	3 EA.	30 EA.	45	(21)	42	(19)
5 x 4½	(127 x 114)	.190	(4.8)	8 - 12-24 x ½	8 -12 x 1½	3 EA.	24 EA.	46	(21)	40	(18)
5 x 5	(127 x 127)	.190	(4.8)	8 - 12-24 x ½	8 -12 x 1½	3 EA.	24 EA.	50	(23)	46	(21)
6 x 4½	(152 x 114)	.203	(5.2)	10 - ¼-20 x ½	10 -14 x 1½	3 EA.	24 EA.	63	(29)	53	(24)
6 x 5	(152 x 127)	.203	(5.2)	10 - ¼-20 x ½	10 -14 x 1½	3 EA.	24 EA.	65	(30)	55	(25)
6 x 6	(152 x 152)	.203	(5.2)	10 - ¼-20 x ½	10 -14 x 1½	3 EA.	24 EA.	76	(35)	61	(28)
8 x 6*	(203 x 152)	.203	(5.2)	16 - ¼-20 x ½	16 -14 x 1½	3 EA.	12 EA.	57	(26)	51	(23)
8 x 8*	(203 x 203)	.203	(5.2)	16 - ¼-20 x ½	16 -14 x 1½	3 EA.	12 EA.	68	(31)	61	(28)

*Available in Steel only
Consult factory for other sizes not listed