Dynamic Industries

Torsion Spring & Hardware



IDA
International Door Association
Develop and Promote Door Dealer Excellence

Service. Quality. Price

Company Information

Dynamic Industries is a manufacturer and international exporter of torsion springs and hardware parts. We are a prestige company with operating branches in Asia, South America and North America supplying torsion springs and parts to the rolling door and overhead door industry.

Our main product is torsion spring. The wire size that we produce range from 0.157" (4.0 mm) to 0.472" (12.0 mm) and the inside diameter range from 1.75" (44.4 mm) to 6.00" (152.4 mm). Special torsion spring ends are available upon customer's request. Our springs are carefully tested and tempered to the right specification for proper stress relieve.

In order to serve our customers with all the hardware parts that they require, we also offer other products such as rollers, punched angles, cables, drums, tube shafts, and etc.

Dynamic Industries is committed to providing you with competitive prices, quality products and outstanding services.

Thank you for choosing Dynamic Industries!

Locations

DYNAMIC ROLLING DOORS INC. TAIWAN HEAD OFFICE

CANADA BRANCH OFFICE & WAREHOUSE (CONCORD) DYNAMIC INDUSTRIES

CANADA BRANCH OFFICE & WAREHOUSE (MISSISSAUGA) DYNAMIC INDUSTRIES

BRAZIL MANUFACTURE AND OFFICE DYNAMIC COMERCIO DE FERRAGENS

MALAYSIA MANUFACTURE & OFFICE NASMEGAH SND. BHD

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TORSION SPRINGS

- Spring wire sizes from 0.192-0.437” are available.
- Metric wire sizes from 4mm-12mm are available.
- Spring inside diameter from 1 3/4” - 6”
- Per-Cut sizes are available & Full length 144”
- Other spring wire size please CONTACT us
- Cones installation available.
- Custom made Loops & Hooks
- All springs are tested and stress relieved
- Oil-Tempered Grade Spring Wire. (Minimum10,000 Cycles)





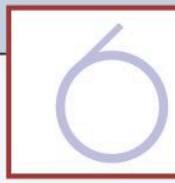






TORSION SPRINGS
WEIGHT PER INCH CHART

Weight (LBS) Per Inch												
Wire Size	Color Code	20Coils length	1 3/4"	2"	2 1/4"	2 5/8"	3 3/8"	3 1/2"	3 3/4"	5 1/4"	5 1/2"	6"
0.207	YELLOW	4 1/8"	0.2834	0.3196	0.3552							
0.218	WHITE	4 3/8"	0.3012	0.3395	0.3771							
0.225	RED	4 1/2"	0.3113	0.3507	0.3895	0.4485						
0.234	BROWN	4 5/8"	0.3259	0.3669	0.4067	0.4681						
0.243	GREEN	4 7/8"	0.3399	0.3825	0.4243	0.4882	0.6158	0.6370	0.6798	0.9348	0.9774	1.0625
0.250	GOLD	5"	0.3498	0.3955	0.4364	0.5019	0.6328	0.6546	0.6983	0.9601	1.0038	1.0911
0.262	BLUE	5 1/4"	0.3696	0.4155	0.4606	0.5293	0.6668	0.6897	0.7369	1.0105	1.0563	1.1480
0.273	ORANGE	5 1/2"	0.3863	0.4341	0.4829	0.5547	0.6893	0.7222	0.7683	1.0572	1.1050	1.2007
0.283	LT BLUE	5 5/8"	0.4017	0.4520	0.5005	0.5746	0.7228	0.7475	0.7985	1.0933	1.1427	1.2415
0.295	WHITE	5 7/8"	0.4267	0.4736	0.5310	0.6092	0.7781	0.7918	0.8348	1.1569	1.2091	1.3134
0.306	BROWN	6 1/8"	0.4402	0.4946	0.5472	0.6275	0.8047	0.8148	0.8698	1.1894	1.2429	1.3553
0.312	TAN	6 1/4"	0.4501	0.5047	0.5592	0.6411	0.8174	0.8320	0.8882	1.2139	1.2685	1.3800
0.319	GREEN	6 3/8"		0.5132	0.5685	0.6514	0.8567	0.8450	0.9096	1.2322	1.2875	1.4126
0.331	GOLD	6 5/8"			0.5965	0.6832	0.8928	0.8854	0.9450	1.2898	1.3476	1.4703
0.343	BLUE	6 7/8"					0.9461	0.9228	0.9843	1.3430	1.4030	1.5253
0.363	ORANGE	7 1/4"						0.9777	1.0429	1.4207	1.4840	1.6135
0.375	LT BLUE	7 1/2"							1.0822	1.4730	1.5385	1.6725
0.393	YELLOW	7 7/8"							1.1394	1.5518	1.6206	1.7615
0.406	WHITE	8 1/8"								1.6470	1.6757	1.8205
0.421	RED	8 7/16"								1.6711	1.7448	1.8950
0.437	TAN	8 3/4"								1.7374	1.8138	1.9665
0.468	BLUE	9 3/8"								1.8722	1.9540	2.1177



LHW
Left Hand Wound



RHW
Right Hand Wound

SPRING FITTINGS



SF175

1 3/4” SPRING FITTING - UNIVERSAL
MAXIMUM WIRE SIZE: 0.295” DIAMETER
SET INCLUDES 1 WINDING & 1 STATIONARY
COLOR CODED WINDING FITTINGS
SET SCREWS INSTALLED
FOR USE ON 1” TUBE SHAFT



SF200

2” SPRING FITTING - UNIVERSAL
MAXIMUM WIRE SIZE: 0.306” DIAMETER
SET INCLUDES 1 WINDING & 1 STATIONARY
COLOR CODED WINDING FITTINGS
SET SCREWS INSTALLED
FOR USE ON 1” TUBE SHAFT



SF258

2 5/8” SPRING FITTING - UNIVERSAL
MAXIMUM WIRE SIZE: 0.331” DIAMETER
SET INCLUDES 1 WINDING & 1 STATIONARY
COLOR CODED WINDING FITTINGS
SET SCREWS INSTALLED
FOR USE ON 1” TUBE OR SOLID SHAFT



SF375 U

3 3/4” SPRING FITTING - UNIVERSAL
MAXIMUM WIRE SIZE: 0.406” DIAMETER
SET INCLUDES 1 WINDING & 1 STATIONARY
COLOR CODED WINDING FITTINGS
SET SCREWS INSTALLED
FOR USE ON 1” TUBE SHAFT OR SOLID SHAFT



SF375 S

3 3/4” SPRING FITTING - SINGLE THREAD
MAXIMUM WIRE SIZE: 0.406” DIAMETER
SET INCLUDES 1 WINDING & 1 STATIONARY
COLOR CODED WINDING FITTINGS
SET SCREWS INSTALLED
FOR USE ON 1” TUBE OR SOLID SHAFT



SF525 S

5 1/4” SPRING FITTING - SINGLE THREAD
MAXIMUM WIRE SIZE: 0.4375” DIAMETER
SET INCLUDES 1 WINDING & 1 STATIONARY
COLOR CODED WINDING FITTINGS
SET SCREWS INSTALLED
FOR USE ON 1” TUBE OR SOLID SHAFT



SF600 U

6” SPRING FITTING - UNIVERSAL
MAXIMUM WIRE SIZE: 0.4375” DIAMETER
SET INCLUDES 1 WINDING & 1 STATIONARY
COLOR CODED WINDING FITTINGS
SET SCREWS INSTALLED
FOR USE ON 1” TUBE OR SOLID SHAFT



SF600 S

6” SPRING FITTING - SINGLE THREAD
MAXIMUM WIRE SIZE: 0.4375” DIAMETER
SET INCLUDES 1 WINDING & 1 STATIONARY
COLOR CODED WINDING FITTINGS
SET SCREWS INSTALLED
FOR USE ON 1” TUBE OR SOLID SHAFT

CABLE DRUMS



DM4X8

STANDARD LIFT - CABLE DRUM 8'
MAXIMUM DOOR HEIGHT: 8' 1"
RATED LIFTING WEIGHT PER DRUM:265 LBS
MAXIMUM CABLE DIAMETER: 1/8"(3mm)
SET SCREWS INSTALLED
USE ON 1" TUBE
COLOR CODED
CABLE LENGTH FORMULA - FLOOR TO SHAFT CENTER + 8"

DM413

STANDARD LIFT - CABLE DRUM 12'
MAXIMUM DOOR HEIGHT:12' 1"
RATED LIFTING WEIGHT PER DRUM:375 LBS
MAXIMUM CABLE DIAMETER:5/32"
3/8" - 16 X 1" HARDENED CUP POINT SET SCREWS INSTALLED
USE ON 1" TUBE OR SOLID SHAFT WITH 1/4" KEYWAY
COLOR CODED
CABLE LENGTH FORMULA - FLOOR TO SHAFT CENTER+ 8"





DM518

STANDARD LIFT - CABLE DRUM 18'
MAXIMUM DOOR HEIGHT:18' 1"
RATED LIFTING WEIGHT PER DRUM:750 LBS
MAXIMUM CABLE DIAMETER:3/16"(5mm)
SET SCREWS INSTALLED
USE ON 1" TUBE OR SOLID SHAFT WITH 1/4" KEYWAY
COLOR CODED
CABLE LENGTH FORMULA - FLOOR TO SHAFT CENTER + 10"

DM32

STANDARD LIFT - CABLE DRUM 32'
MAXIMUM DOOR HEIGHT:32' 1"
RATED LIFTING WEIGHT PER DRUM:1000 LBS
MAXIMUM CABLE DIAMETER:1/4"(6mm)
SET SCREWS INSTALLED
USE ON 1" OR 1 1/4" SOLID SHAFT WITH 1/4" KEYWAYS
COLOR CODED
CABLE LENGTH FORMULA - FLOOR TO SHAFT CENTER + 14"





DM54LC

HIGH LIFT - CABLE DRUM 54 HL-54"
MAXIMUM DOOR HIGH:120" + HI LIFT
RATED LIFTING WEIGHT PER DRUM:275 LBS
MAXIMUM CABLE DIAMETER:1/8"(3mm)
SET SCREWS INSTALLED
USE ON 1" OR 1 1/4" SOLID SHAFT WITH 1/4" KEYWAYS
COLOR CODED
CABLE LENGTH FORMULA - FLOOR TO SHAFT CENTER +
63" MINUS AMOUNT OF HI-LIFT

DM54



HIGH LIFT - CABLE DRUM 54 HL - LD'54"
MAXIMUM DOOR HIGH:180" + HI LIFT
RATED LIFTING WEIGHT PER DRUM:500 LBS
MAXIMUM CABLE DIAMETER:3/16"(5mm)
SET SCREWS INSTALLED
USE ON 1" SOLID SHAFT WITH 1/4" KEYWAY
COLOR CODED
CABLE LENGTH FORMULA - FLOOR TO SHAFT CENTER + 66"
MINUS AMOUNT OF HI-LIFT (DNS + 61" MINUS HI-LIFT)



DM120

HIGH LIFT - CABLE DRUM 120 HL
MAXIMUM DOOR HIGH:144" + HI LIFT
RATED LIFTING WEIGHT PER DRUM:500 LBS
MAXIMUM CABLE DIAMETER:3/16"(5mm)
SET SCREWS INSTALLED
USE ON 1" SOLID SHAFT WITH 1/4" KEYWAY
COLOR CODED
CABLE LENGTH FORMULA - FLOOR TO SHAFT CENTER + 133"
MINUS AMOUNT OF HI-LIFT (APCO + 134" MINUS HI-LIFT)

DM164



HIGH LIFT-CABLE DRUM 164 HL
MAXIMUM DOOR HEIGHT:299" + HI LIFT
RATED LIFTING WEIGHT PER DRUM:1000 LBS
MAXIMUM CABLE DIAMETER:1/4"(6mm)
SET SCREWS INSTALLED
USE ON 1" or 1 1/4" SOLID SHAFT WITH 1/4" KEYWAY COLOR CODED
CABLE LENGTH FORMULA - FLOOR TO SHAFT CENTER + 181"
MINUS AMOUNT OF HI-LIFT



DM11VL

VERTICAL LIFT - CABLE DRUM 11' VL
MAXIMUM DOOR HEIGHT:11' 1"
RATED LIFTING WEIGHT PER DRUM:425 LBS
MAXIMUM CABLE DIAMETER:3/16"(5mm)
SET SCREWS INSTALLED
USE ON 1" SOLID SHAFT WITH 1/4" KEYWAY
COLOR CODED
CABLE LENGTH FORMULA - FLOOR TO SHAFT CENTER + 143"
MINUS DOOR HEIGHT

DM18VL / DM28VL



VERTICAL LIFT - CABLE DRUM 18' VL**(DM18VL)** / 28"VL**(DM28VL)**
MAXIMUM DOOR HEIGHT:18' 1"**(DM18VL)** / 28' 1"**(DM28VL)**
RATED LIFTING WEIGHT PER DRUM:500 LBS**(DM18VL)** / 1100LBS**(DM28VL)**
MAXIMUM CABLE DIAMETER:3/16" (5mm)-**(DM18VL)** / 1/4"(6mm)-**(DM28VL)**
SET SCREWS INSTALLED
USE ON 1" SOLID SHAFT WITH 1/4" KEYWAY
CABLE LENGTH FORMULA :
(DM18VL):FLOOR TO SHAFT CENTER + 237" MINUS DOOR HEIGHT
(DNS + 226" MINUS DOOR HEIGHT)
(DM28VL):FLOOR TO SHAFT CENTER + 364" MINUS DOOR HEIGHT

NYLON & STEEL ROLLERS



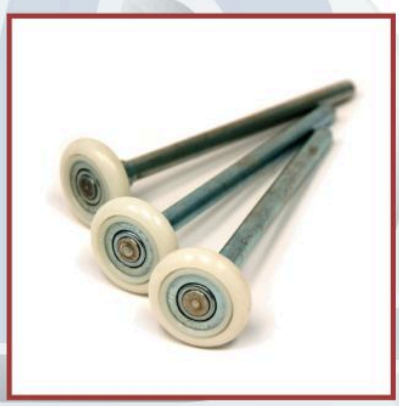
RN0024

2” NYLON ROLLER
4” ZINC PLATED STEM (WORKING LENGTH = 3 3/4”)
BULGED SHOULDER
RATING : 50-LB LOAD @ 10,000 - 8’ DOOR CYCLES

RN1324

2” 13 BEARINGS NYLON ROLLER WITH ZINC PLATED STEM
4” STEM (WORKING LENGTH = 3 1/4”)
BULGED SHOULDER
RATING : 75-LB LOAD @ 50,000 - 12’ DOOR CYCLES
WHITE NYLON TIRE FOR QUIET OPERATION





RN1327

2” 13 BEARINGS NYLON ROLLER
7” ZINC PLATED STEM (WORKING LENGTH = 6 1/4”)
BULGED SHOULDER
RATING : 75-LB LOAD @ 50,000 - 12’ DOOR CYCLES
WHITE NYLON TIRE FOR QUIET OPERATION

RN1124

2” 11 BEARINGS NYLON ROLLER
4” ZINC PLATED STEM (WORKING LENGTH = 3 3/4”)
BULGED SHOULDER
RATING : 75-LB LOAD @ 50,000 - 12’ DOOR CYCLES
WHITE NYLON TIRE FOR QUIET OPERATION





RN1127

2” 11 BEARINGS NYLON ROLLER
7” ZINC PLATED STEM (WORKING LENGTH = 6 1/4”)
BULGED SHOULDER
RATING : 75-LB LOAD @ 50,000 - 12’ DOOR CYCLES
WHITE NYLON TIRE FOR QUIET OPERATION



RS1024

2” 10 BEARINGS STEEL ROLLER
4” ZINC PLATED STEM (WORKING LENGTH = 3 1/2”)
BULGED SHOULDER
RATING : 75-LB LOAD @ 15,000 - 12’ DOOR CYCLES
HARDENED RACES



RS1027

2” 10 BEARINGS STEEL ROLLER
7” ZINC PLATED STEM (WORKING LENGTH = 6 1/4”)
BULGED SHOULDER
RATING : 75-LB LOAD @ 15,000 - 12’ DOOR CYCLES
HARDENED RACES



RS1029

2” 10 BEARINGS STEEL ROLLER
9” ZINC PLATED STEM (WORKING LENGTH = 8 1/4”)
BULGED SHOULDER
RATING : 75-LB LOAD @ 15,000 - 12’ DOOR CYCLES
HARDENED RACES



RS1034

3” 10 BEARINGS STEEL ROLLER
4” STEM (WORKING LENGTH = 3 1/4”)
BULGED SHOULDER
RATING : 150-LB LOAD @ 50,000 - 12’ DOOR CYCLES
HARDENED RACES



RS1037

3” 10 BEARINGS STEEL ROLLER
7” STEM (WORKING LENGTH = 6 3/4”)
BULGED SHOULDER
RATING : 150-LB LOAD @ 50,000 - 12’ DOOR CYCLES
HARDENED RACES



RS1039

3” 10 BEARINGS STEEL ROLLER
9” STEM (WORKING LENGTH = 8 1/2”)
BULGED SHOULDER
RATING : 150-LB LOAD @ 50,000 - 12’ DOOR CYCLES
HARDENED RACES

CABLES



GALVANIZED CABLE ASSEMBLIES

1. CBA18A07 - 1/8" 7 x 7 (7' DOOR-102") - 200 PC / BOX
2. CBA18A08 - 1/8" 7 x 7 (8' DOOR-114") - 200 PC / BOX
3. CBA18B07 - 1/8" 7 x 19 (7' DOOR-104") - 200 PC / BOX
4. CBA18B08 - 1/8" 7 x 19 (8' DOOR-114") - 200 PC / BOX



GALVANIZED CABLE SPOOLS

1.CB332A0500 - 3/32" 7 x 7 500ft, 1000ft & 5000ft
2.CB18A0500 - 1/8" 7 x 7 500ft, 1000ft & 5000ft
3.CB18B0500 - 1/8" 7 x 19 500ft, 1000ft & 5000ft
4.CB5320500 - 5/32" 7 x 19 500ft, 1000ft & 5000ft
5.CB3160500 - 3/16" 7 x 19 500ft, 1000ft & 5000ft
6.CB1250250 - 1/4" 7 x 19 250ft, 500ft, & 1000ft



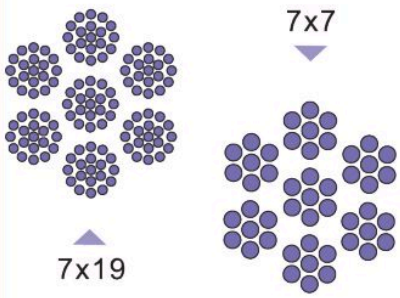
BOTTOM STOPS & SLEEVES

1. CBB18 - 1/8" BOTTOM STOPS & SLEEVES - 100 PAIR / BAG
2. CBB532 - 5/32" BOTTOM STOPS & SLEEVES - 100 PAIR / BAG
3. CBB316 - 3/16" BOTTOM STOPS & SLEEVES - 100 PAIR / BAG



CABLE SWAGER

MULTI-COMPRESSION HAND SWAGER WITH CABLE CUTTER SWAGES 1/16", 3/32", 1/8", 5/32" AND 3/16" STOPS AND SLEEVES CUTS UP TO 7/32" CABLE



CABLE BREAK STRENGTH

1. CB332A0500 - 3/32" 7 x 7 - 920 LBS
2. CB18A0500 - 1/8" 7 x 7 - 1700 LBS
3. CB18B0500 - 1/8" 7 x 19 - 2000 LBS
4. CB5320500 - 5/32" 7 x 19 - 2800 LBS
5. CB3160500 - 3/16" 7 x 19 - 4200 LBS
6. CB1250250 - 1/4" 7 x 19 - 7000 LBS

HINGES



H11G 01 ~ H11G 12

11 GAUGE HINGE # 1 ~ # 12
FULL BODY 3" WIDE
FOR USE WITH 7/16" DIAMETER STEM ROLLERS

H11G01	0.61	lbs	H11G05	0.76	lbs	H11G09	0.90	lbs
H11G02	0.69	lbs	H11G06	0.79	lbs	H11G10	0.92	lbs
H11G03	0.72	lbs	H11G07	0.83	lbs	H11G11	0.93	lbs
H11G04	0.73	lbs	H11G08	0.87	lbs	H11G12	1.00	lbs



H14G 01 ~ H14G 06

14 GAUGE HINGE # 1 ~ # 6
BRIGHT ZINC PLATED 14 GAUGE STEEL HINGE
FULL BODY 2 3/4" WIDE
FOR USE WITH 7/16" DIAMETER STEM ROLLERS

H14G01	0.42	lbs	100 PCS / BOX	H14G04	0.53	lbs	100 PCS / BOX	
H14G02	0.52	lbs	100 PCS / BOX	H14G05	0.53	lbs	100 PCS / BOX	
H14G03	0.52	lbs	100 PCS / BOX	H14G06	0.58	lbs	100 PCS / BOX	



H16G 01 ~ H16G 04

16 GAUGE HINGE # 1 ~ # 6
BRIGHT ZINC PLATED 16 GAUGE STEEL HINGE
FULL BODY 2 3/4" WIDE
FOR USE WITH 7/16" DIAMETER STEM ROLLERS

H16G01	0.35	lbs	100 PCS / BOX	H16G03	0.40	lbs	100 PCS / BOX	
H16G02	0.41	lbs	100 PCS / BOX	H16G04	0.41	lbs	100 PCS / BOX	



H14G01 A

14 GAUGE HINGE 1/2 CUT DOWN HINGE
BRIGHT ZINC PLATED 14 GAUGE STEEL HINGE
FULL BODY 1 5/8" WIDE
FOR USE WITH 7/16" DIAMETER STEM ROLLERS
HOLES SIZED FOR 1/4" DIAMETER SCREW

TUBE SHAFTS, PUNCHED ANGLES AND CHAIN HOISTS



PA16125, PA14125

1.25" x 1.25" x 10' GALVANIZED PUNCHED ANGLE
14 GAUGE & 16 GAUGE ARE AVAILABLE
OTHER LENGTH IS AVAILABLE UPON REQUEST
10 PCS IN A BUNDLE, 300 PCS IN A BUNDLE, OR 600 PCS IN A BUNDLE

TSB1609, 1610, 1617

16 GAUGE GALVANIZED TUBE SHAFT
1" O.D. 9' LONG FOR 8' DOOR
16 GAUGE GALVANIZED TUBE SHAFT
1" O.D. 10' LONG FOR 9' DOOR
14 GAUGE GALVANIZED TUBE SHAFT
1" O.D. 17' LONG FOR 16' DOOR



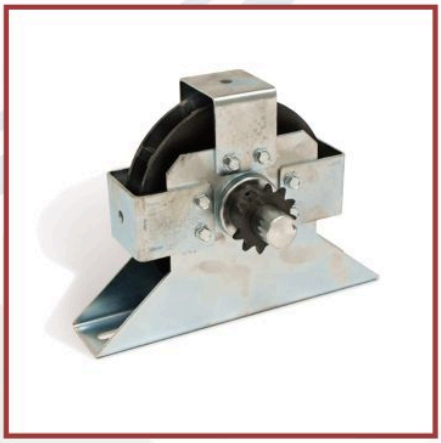
TSC09, 11, 13, 15

1" OD KEY WAY SOLID SHAFT 9'
1" OD KEY WAY SOLID SHAFT 11'
1" OD KEY WAY SOLID SHAFT 13'
1" OD KEY WAY SOLID SHAFT 15'



CHW401

CHAIN HOIST 4:1 REDUCED DRIVE
WALL-MOUNT
INCLUDES:1 PC OF 41B36 SPROCKET, 1" BORE
36" OF # 41 ROLLER CHAIN
26' OF HAND CHAIN
1 PC OF CHAIN KEEPER
1/4" SQUARE KEY



CHS301

CHAIN HOIST 3:1 REDUCED DRIVE
WALL OR TRACK MOUNTED
INCLUDES:1 PC OF 41B36 SPROCKET, 1" BORE
36" OF # 41 ROLLER CHAIN
26' OF HAND CHAIN
1 PC OF CHAIN KEEPER
1/4" SQUARE KEY



CHS401

CHAIN HOIST 4:1 REDUCED DRIVE
SHAFT-MOUNT
INCLUDES:1 PCS OF 41B60 SPROCKET 22" OF # 41 ROLLER CHAIN
26' OF HAND CHAIN 1 PCS OF CHAIN KEEPER
2 PCS OF SHAFT COLLARS 1/4" SQUARE KEY
1 PC OF WALL STABILIZER BRACKET
REQUIRED MINIMUM 3 3/8" CENTER LINE OFFSET

COMPELET PACKAGE



SWHW08

FASTENER BAG FOR A STANDARD 8 X 7 STEEL DOOR

SW9549 - 1/4 x 7/8 HEX WASHER TEK ZINC - 60 PCS
SW9555 - 5/16 x 1-5/8" IND. HEX WASHER 'A' LAG SCREW ZINC 7/16 AF - 14 PCS
SW9991 - #8 x 1 FLAT SQ 'A' TAPPING SCREW ZINC - 84 PCS
SW9750 - 5/16-18 x 1" CARRIAGE BOLT ZINC FULL THREAD - 8 PCS
SW9751 - 5/16-18 x 2" CARRIAGE BOLT ZINC FULL THREAD - 2 PCS
SW9701 - 5/16-18 SERRATED FLANGE NUT ZINC - 10 PCS
SW9600 - 1/4-20 x 3/4 TRACK BOLT ZINC - 4 PCS
SW9700 - 1/4-20 SERRATED FLANGE NUT ZINC - 4PCS

HD8460138, HD8460200

COMPLETE LOCKING SYSTEMS

HD3020, HD3022 - 1 3/8" OR 2" T LOCK - 1 PC
HD3015 - AUTO LATCH - 2 PCS
HD3140 - STRIKER KEEPER - 2 PCS
HD3070 - INSIDE RELEASE HANDLE - 1 PC
HD3910 - BACK UP PLATE - 1 PC
HD3916 - STEEL HAT SPACER - 1 PC
HD9000 - CABLE 1/16 7 X 7 X 9'6" - 1 PAIR
SW9549 - 1/4-14 X 7/8 UNSLOT IND HWH AF-3/8 TEK - 6 PCS
SW9600 - TRACK BOLT - 1/4" - 20 X 3/4 - 6 PCS
SW9700 - SERRATED FLANGE NUT - 1/4-20 - 6 PCS





HW0807

HARDWARE BOX

BK000 - RESIDENTIAL TOP BRACKET - 2PCS
BK150 - RESIDENTIAL BOTTOM BRACKET - 1 PAIR
BK110 - EBF END BEARING BRACKET - 1 PAIR
BK100 - BRACKET, SPRING ANCHOR MINI USA - 1 PC
R5110 - 1" COMMERCIAL BEARING - 1PC
DM4X8 - STANDARD LIFT, CABLE DRUM 8' - 1 PAIR
CBA18A07 - 1/8" 7 X 7 X 7' DOOR (102") 1 - PAIR
RN1124 - 2" 11 BALL NYLON ROLLER - 10PCS
H14G01 - 14 GAUGE HINGE # 1 - 5 PCS
H14G02 - 14 GAUGE HINGE # 2 - 2 PCS
H14G03 - 14 GAUGE HINGE # 3 - 2 PCS
HD3080 - STEP PLATE - 1 PC
HD3076 - ROLL GRIP LIFT HANDLE - 1 PC
SWHW08 - 8 X 7 FASTENER BAG

BRACKETS



BK000

RESIDENTIAL TOP BRACKET BRIGHT ZINC PLATED STEEL
14 GAUGE ROLLER CARRIER
14 GAUGE BASE PLATE FOR USE WITH 7/16" DIAMETER
MOUNTING HOLES ON 3" CENTERS (VERTICALLY)
ADJUSTMENT OF 3/8" MINIMUM TO 3" MAXIMUM



BK002

LHR TOP BRACKET - RESIDENTIAL
BRIGHT ZINC PLATED 10 GAUGE STEEL
3/8" ROLLER OFFSET



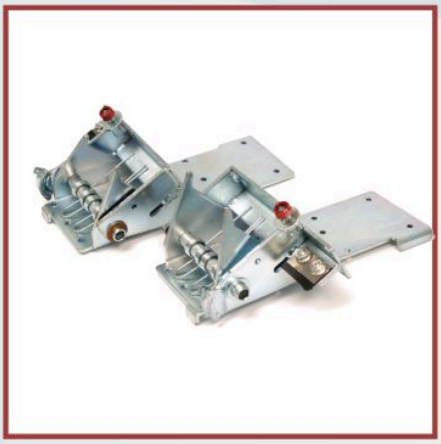
BK010

COMMERCIAL TOP BRACKET
BRIGHT ZINC PLATED STEEL
12 GAUGE ROLLER CARRIER 12 GAUGE BASE PLATE
MOUNTING HOLES ON 4 3/4" CENTERS (VERTICALLY)
ADJUSTMENT OF 7/16" MINIMUM TO 3 1/2" MAXIMUM
FOR USE WITH 7/16" DIAMETER



BK020

2" SAFETY BOTTOM BRACKET
BRIGHT ZINC PLATED STEEL
FOR USE WITH 2" TRACK AND 7/16" DIAMETER STEM ROLLERS
HEAVY DUTY DESIGN
MAXIMUM DOOR WEIGHT 1300 LBS



BK021

3" SAFETY BOTTOM BRACKET
BRIGHT ZINC PLATED STEEL
FOR USE WITH 3" TRACK AND 7/16" DIAMETER STEM ROLLERS
HEAVY DUTY DESIGN
MAXIMUM DOOR WEIGHT 1650 LBS



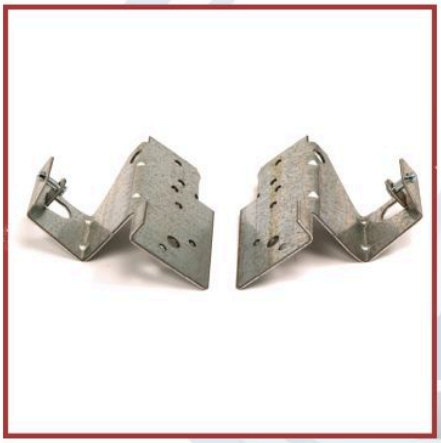
BK028

COMMERCIAL BB - 90 BOTTOM BRACKET
BRIGHT ZINC PLATED 12 GAUGE STEEL
FOR 2" TRACK WITH 7/16" DIAMETER STEM ROLLERS
MILFORD PIN CABLE ATTACHMENT
FIT DOORS THICKNESS FROM 1 3/8" TO 2"
INCLUDES 1 LEFT HAND AND 1 RIGHT HAND BRACKET

BKBB6

UNIVERSAL COMMERCIAL
BOTTOM BRACKET FOR 2" & 3" TRACK
11 GAUGE, DRILLED PIN
10 7/8" HIGH X 4 5/8" WIDE
1 5/8" SIDE AND BOTTOM FLANGE





BK030

BB90 LHR BOTTOM BRACKET - COMMERCIAL
BRIGHT ZINC PLATED 12 GAUGE STEEL BASE
BRIGHT ZINC PLATED 11 GAUGE STEEL OUTSIDE PICK UP ADAPTER
FOR 2" TRACK WITH 7/16" DIAMETER ROLLER STEM
FIT DOORS THICKNESS FROM 1 3/8" TO 2"

BK050

BB 5 BOTTOM BRACKET - RESIDENTIAL
OUTSIDE HOOK UP BOTTOM BRACKET
BRIGHT ZINC PLATED 12 GAUGE STEEL
FOR 2" TRACK WITH 7/16" DIAMETER ROLLER STEM
CLEVIS PIN CABLE ATTACHMENT INCLUDED
FIT DOORS THICKNESS FROM 1 3/8" - 2"





BK150

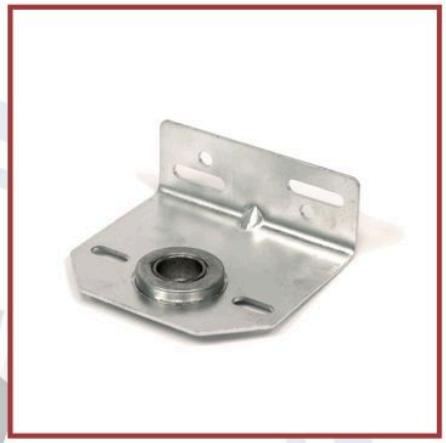
RESIDENTIAL BB - 100 BOTTOM BRACKET
BRIGHT ZINC PLATED 13 GAUGE STEEL
FOR 2" TRACK WITH 7/16" DIAMETER STEM ROLLERS
MILFORD PIN CABLE ATTACHMENT
FIT DOORS THICKNESS FROM 1 3/8" TO 2"
INCLUDES 1 LEFT HAND AND 1 RIGHT HAND BRACKET

BRACKETS



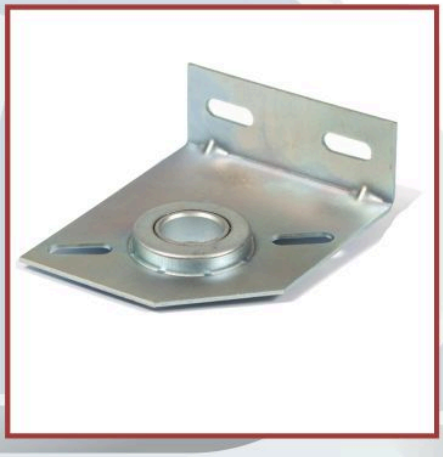
BK100

BRACKET, SPRING ANCHOR MINI USA
ADJUSTABLE RESIDENTIAL CENTER BRACKET
BRIGHT ZINC PLATED 12 GAUGE STEEL
ADJUSTABLE BEARING PLATE
ADJUSTABLE CENTERLINE 2 3/8" TO 4 1/4"(Mini USA)
FOR USE WITH STEEL OR NYLON BEARINGS (NOT INCLUDED)



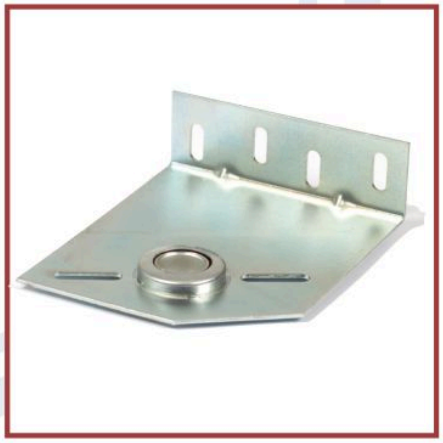
BK104

BRACKET, SPRING ANCHOR WITH BEARING 11 GA
CENTER BEARING BRACKET
BRIGHT ZINC PLATED 11 GAUGE STEEL
3 3/8" BEARING CENTER TO WALL DISTANCE
FOR USE WITH 3 3/4" ID SPRING AND SMALLER
1" BORE BEARING INSTALLED



BKC338, BKC438

CENTER BEARING SUPPORT 3 3/8" OR 4 3/8"
3 3/8" SHAFT OFFSET
4 3/8" SHAFT OFFSET
11 GAUGE



BKC600

CENTER BEARING SUPPORT 6"
6" SHAFT OFFSET
8 GAUGE



BKC800

UNIVERSAL SPRING ANCHOR LH & RH
FOR 1 3/4" TO 6" ID SPRINGS
8 GAUGE



BK111

BRACKET, SPRING ANCHOR - 3 3/8"

BK110

EBF END BEARING BRACKET
BRIGHT ZINC PLATED 12 GAUGE STEEL
INCLUDES 1 LH AND 1 RH BRACKET3 3/8" BEARING
CENTER TO WALL DISTANCE
1" BORE BEARING INSTALLED





BK107

BRACKET, END WITH BEARING 8 GA
END BEARING BRACKET
BRIGHT ZINC PLATED 8 GAUGE STEEL
6 5/8" X 3" PLATE
1" BORE BEARING INSTALLED



BKE338

COMMERCIAL END BEARING PLATES 3 3/8"
8 1/4" LENGTH X 5" WIDTH
3 3/8" SHAFT OFFSET



BKE438

COMMERCIAL END BEARING PLATES 4 3/8"
8 1/4" LENGTH X 6" WIDTH
4 3/8" SHAFT OFFSET



BKE600

COMMERCIAL END BEARING PLATES 6"
8 1/4" LENGTH X 7 5/8" WIDTH
6" SHAFT OFFSET



BK105A,BK105B, BK105C

UNIVERSAL SLOTTED FLAG BRACKET
FOR DOORS 1" TO 2" THICK

FLAG BRACKET 3 HOLES
FOR DOORS 1 3/8" TO 2" THICK

19" VERTICAL ANGLE
FOR USE WITH SPLICE PLATES

BRACKETS



BKB3002, BKB3003, BKB3004, BKB3005

OPERATOR SUPPORT BRACKET 18”
OPERATOR SUPPORT BRACKET 21”
OPERATOR SUPPORT BRACKET 24”
ADJUSTABLE OPERATOR SUPPORT BRACKET



BKB3010

QUICK CLOSE FIXTURE
REDUCES HEADROOM REQUIREMENT BY 1 1/2” TO 2 1/2”
SOLVES LOW HEADROOM PROBLEMS WHEN INSTALLING GARAGE DOOR OPENERS
SERVES SAME PURPOSE AS DOUBLE TRACK HARDWARE
USED AT INITIAL INSTALLATION OR EASILY ADD WHEN NEEDED



BK302 ~ BK312

JAMB BRACKETS
BRIGHT ZINC PLATED 12 GAUGE STEEL
1 3/4” LONG TRACK MOUNTING SLOT

BK302	JAMB BRACKET# 2	BK308	JAMB BRACKET# 8
BK303	JAMB BRACKET# 3	BK309	JAMB BRACKET# 9
BK304	JAMB BRACKET# 4	BK310	JAMB BRACKET# 10
BK305	JAMB BRACKET# 5	BK311	JAMB BRACKET# 11
BK306	JAMB BRACKET# 6	BK312	JAMB BRACKET# 12
BK307	JAMB BRACKET# 7		



BTC03-12

OFFSET TRACK CLIP - 12G	#3	2 3/4”
OFFSET TRACK CLIP - 12G	#4	3”
OFFSET TRACK CLIP - 12G	#5	3 1/4”
OFFSET TRACK CLIP - 12G	#6	3 1/2”
OFFSET TRACK CLIP - 12G	#7	3 3/4”
OFFSET TRACK CLIP - 12G	#8	4”
OFFSET TRACK CLIP - 12G	#9	4 1/4”
OFFSET TRACK CLIP - 12G	#10	4 1/2”
OFFSET TRACK CLIP - 12G	#11	4 3/4”
OFFSET TRACK CLIP - 12G	#12	5”



BTCO06, 08, 10, 12 ,14

OVERALL OFFSET TRACK CLIP 6”
OVERALL OFFSET TRACK CLIP 8”
OVERALL OFFSET TRACK CLIP 10”
OVERALL OFFSET TRACK CLIP 12”
OVERALL OFFSET TRACK CLIP 14”

TLHR P, TLHR C



LOW HEAD ROOM STARTER PLATE
LOW HEAD ROOM CONNECTOR PLATE



BOA04, 06, 08, 10, 14, 16

3" ADJUSTABLE (HVL) JAMB BRACKET 10G - 4 1/4"
3" ADJUSTABLE (HVL) JAMB BRACKET 10G - 6 3/4"
3" ADJUSTABLE (HVL) JAMB BRACKET 10G - 7 3/4"
3" ADJUSTABLE (HVL) JAMB BRACKET 10G -10 3/4"
3" ADJUSTABLE (HVL) JAMB BRACKET 10G -13 3/8"
3" ADJUSTABLE (HVL) JAMB BRACKET 10G - 16"



BSPA07-10, 11-14, 15-18

ADJUSTABLE SPLICE PLATE 07-10' HIGH DOOR
ADJUSTABLE SPLICE PLATE 11-14' HIGH DOOR
ADJUSTABLE SPLICE PLATE 15-18' HIGH DOOR



BSP2-10, 2-12, 2-14, 2-16, 2-18, 2-20, 2-22

RA SPLICE PLATE - 12G #10
RA SPLICE PLATE - 12G #12
RA SPLICE PLATE - 12G #14
RA SPLICE PLATE - 12G #16
RA SPLICE PLATE - 12G #18
RA SPLICE PLATE - 12G #20
RA SPLICE PLATE - 12G #22



BSP3-04, 3-06, 3-08, 3-10, 3-12, 3-14, 3-16, 3-18

RA OFFSET SPLICE PLATE - 12G #04
RA OFFSET SPLICE PLATE - 12G #06
RA OFFSET SPLICE PLATE - 12G #08
RA OFFSET SPLICE PLATE - 12G #10
RA OFFSET SPLICE PLATE - 12G #12
RA OFFSET SPLICE PLATE - 12G #14
RA OFFSET SPLICE PLATE - 12G #16
RA OFFSET SPLICE PLATE - 12G #18



BSP4-06, 4-08, 4-10, 4-12, 4-14, 4-16, 4-18

6" HIGH LIFT SPLICE PLATE
8" HIGH LIFT SPLICE PLATE
10" HIGH LIFT SPLICE PLATE
12" HIGH LIFT SPLICE PLATE
14" HIGH LIFT SPLICE PLATE
16" HIGH LIFT SPLICE PLATE
18" HIGH LIFT SPLICE PLATE

EXHAUST PORTS



EP2976

USE ON NON INSULATED DOOR PANELS
3" INSIDE DIAMETER
INCLUDES FASTENERS & GASKETS
POLISHED ALUMINUM FINISH



EP2977

EXHAUST PORT - LATCHING TYPE
USE ON NON INSULATED DOOR PANELS
3" INSIDE DIAMETER
INCLUDES FASTENERS & GASKETS
POLISHED ALUMINUM FINISH



EP2978

EXHAUST PORT
USE ON INSULATED DOOR PANELS - 2" MAX, THICKNESS
3" INSIDE DIAMETER
INCLUDES FASTENERS & GASKETS
POLISHED ALUMINUM FINISH



EP2979

EXHAUST PORT - LATCHING TYPE
USE ON INSULATED DOOR PANELS - 2" MAX THICKNESS
3" INSIDE DIAMETER
INCLUDES FASTENERS & GASKETS
POLISHED ALUMINUM FINISH



EP2980

EXHAUST PORT
USE ON INSULATED DOOR PANELS - 2" MAX THICKNESS
4" INSIDE DIAMETER
INCLUDES FASTENERS & GASKETS
POLISHED ALUMINUM FINISH

HARDWARE PARTS



R5100

BUSHING, FLANGED NYLON
1" BORE 2" OD
INNER RACE OFFSET : 7/32" FROM BEARING PLATE
FOR CENTER SUPPORT ONLY



R5110

FLANGED BALL BEARING
1" BORE, 2" O.D. 1 1/4" BORE, 2" OD
INNER RACE OFFSET : 13/64" FROM BEARING PLATED
RATED LOAD:250 - LBS @ 10,000 - 8' DOOR CYCLES
HARDENED STEEL RACES & BALL



R5115

FLANGED RETAINER WITH BEARING

STEEL 1" BORE
3 3/8" HOLE TO HOLE DISTANCE
RATED : 250 - LBS @ 10,000 CYCLES (8')



R5210

4" SHEAVE
BRIGHT ZINC PLATED STEEL
BORED FOR 3/8" DIAMETER BOLT
HARDENED INNER RACE
MAX CABLE DIAMETER:3/16"
6 SOLID RIVETS



R5221

4" SHEAVE STRAP
BRIGHT ZINC PLATED STEEL
ATTACH TO 4" SHEAVE W 3/8" - 16 X 1 1/2" BOLT
NUT AND LOCK WASHER (NOT INCLUDED)

HARDWARE PARTS



Z000

LOW HEADROOM BAG
INCLUDES: RESIDENTIAL LHR TOP BRACKET
RESIDENTIAL LHR BOTTOM BRACKET
4" SHEAVE 3/8 BORE WITH FORK
4" SHEAVE STRAP



Z9002

BUMPER SPRING 15"
12 GAUGE BRACKET WITH MOUNTING SLOTS
ZINC PLATED STEEL TOTAL LENGTH: 15". 6" COMPRESSION
APPROX-COMPRESSION - 10 LBS / INCH
2" DIAMETER RUBBER BUMPER
INCLUDES 1 LEFT HAND AND 1 RIGHT HAND



Z9003

PUSHER SPRING 27"
12 GAUGE BRACKET WITH MOUNTING SLOTS
ZINC PLATED STEEL TOTAL LENGTH: 27". 15" COMPRESSION
APPROX-COMPRESSION - 10 LBS / INCH
2" DIAMETER RUBBER BUMPER
INCLUDES 1 LEFT HAND AND 1 RIGHT HAND



Z9004

SHAFT KEY
3" BENT KEY
ZINC PLATED STEEL
1/4" X 1/4" X 3 1/2"



Z9005

SHAFT KEY
3" STRAIGHT KEY
ZINC PLATED STEEL
1/4" X 1/4" X 3"

Z9200

O & E LOW HEAD ROOM KIT
USED ON TORSION OR EXTENSION SPRING DOORS UP TO 8' HIGH
OPERATE EXTENSION SPRING DOORS IN A MINIMUM OF 7" OF HEADROOM
DOOR WON'T GO HIGHER THAN TOP OF SPRING SHAFT WHEN DOOR IS OPENED
DOUBLE TRACK NOT REQUIRED
MUST CUT AND REMOVE PORTION OF VERTICAL TRACK FOR FULL CLEARANCE
USED AT INITIAL INSTALLATION OR EASILY ADD WHEN NEEDED





Z9403

SHAFT COUPLER 1" BORE WITH 1/4" KEYWAY (AVAILABLE IN 1.25" BORE)
MALLEABLE IRON FOR HIGH STRENGTH AND RESISTANCE TO SHAKE

Z9900

LEAF BUMPER SPRINGS
9 GAUGE X 1 7/8" SPECIAL ALLOY SPRING STEEL
3/8" X 1 1/4" STEEL MOUNTING BRACKET, ZINC PLATED
SUPPLIED WITH MOUNTING BRACKET INSTALLED
INCLUDES 1 LEFT HAND AND 1 RIGHT HAND



HARDWARE PARTS



Z9955

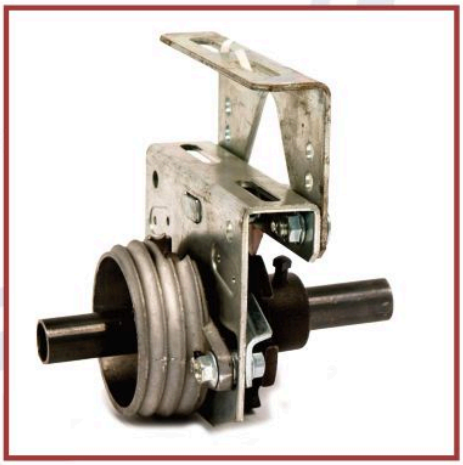
SPRING WIRE GAUGE
ACCURATE SPRING WIRE MEASUREMENTS
HANDLES .125 - .625 WIRE SIZES



Z9990

SHAFT COLLAR

1" BORE
COMPLETE WITH SET SCREW



Z9995

SPRING FAILURE DEVICE
FOR 1 3/4" UP TO 6" SPRINGS
RIGHT AND LEFT PACKED SEPARATELY
STANDARD BORE IS 1"
1 1/4" BORE ALSO AVAILABLE
ZINC PLATED
FOR 3 3/8" OFFSET
RATING: MAX TORQUE ON
COUNTER BALANCING SHAFT: 155 LBS - FT
EXTENSION BRACKET FOR ABOVE
FASTENER ARE INCLUDED
WILL FIT OFFSET OF 4 3/8", 5" AND 6"



Z9999

SPRING WINDING BARS
FOR 1 3/4" TO 6" SPRING FITTING

1/2" TO 7/16" HEX WINDING BAR
5/8" TO 1/2" HEX WINDING BAR

LOCKING SYSTEMS



HD3000

DUMMY T HANDLE SET BRIGHT CHROME FINISH
COMPLETE WITH INSIDE AND OUTSIDE HANDLES
INCLUDES ALL REQUIRED MOUNTING HARDWARES
ZINC PLATED 5/16" SQUARE X 3" LONG SHAFT EXTENSION
WITH OUTSIDE # 8 MOUNTING SCREWS
FOR 2" THICK DOORS



HD3005

HANDLE, DUMMY T LIFT, POSTS FOR 2" DOORS



HD3010

HANDLE INSIDE T - ZINC
ZINC DIE CAST, WITH POLISHED FINISH
SQUARE HOLE FOR 5/16" HANDLE SHAFT



HD3015

INSIDE NYLON T HANDLE
PLASTIC INSERT
REINFORCED NYLON
USE WITH AUTO LATCHES AND KEYED T HANDLES
USING EITHER CABLE OR CHAIN



HD3020

KEYED T HANDLE BRIGHT CHROME FINISH
1 3/16" LONG BLIND MOUNT POSTS FOR 1 3/8" THICK DOORS
ZINC PLATED 5/16" SQUARE X 3 3/4" LONG SHAFTS 90 DEGREE ROTATION
INCLUDES # 10 - 24 X 1/2" PHILLIPS HEAD MOUNTING SCREWS

LOCKING SYSTEMS



HD3021

HANDLE, KEYED T - OUTSIDE MOUNTING - NO POSTS



HD3022

KEYED T HANDLE
1 13/16" LONG BLIND MOUNT POSTS FOR 2" THICK DOORS
BRIGHT CHROME FINISH
ZINC PLATED 5/16" SQUARE X 4 1/4" LONG SHAFT, 360 DEGREE ROTATION
INCLUDES # 10 - 24 X 3/4" PHILLIPS HEAD MOUNTING SCREWS



HD3070

INSIDE RELEASE HANDLE
BRIGHT ZINC PLATED STEEL 12 GAUGE
HANDLE FITTED WITH BLACK PLASTIC GRIP
USE WITH AUTOLATCHES AND KEYED T HANDLES,
USING EITHER CABLE OR CHAIN



HD3071

SWIVEL LATCH
BRIGHT ZINC PLATED STEEL 12 GAUGE HANDLE
14 GAUGE BASE PLATE
USE WITH AUTO LATCHES AND KEYED T HANDLES
USING EITHER CABLE OR CHAIN



HD3075, HD3076

ROLLED GRIP LIFT HANDLE
BRIGHT ZINC PLATED 14 GAUGE STEEL
MOUNTING HOLES 5 1/2" ON CENTERS



HD3080

STEP PLATE - CURL GRIP
BRIGHT ZINC PLATED 14 GAUGE STEEL



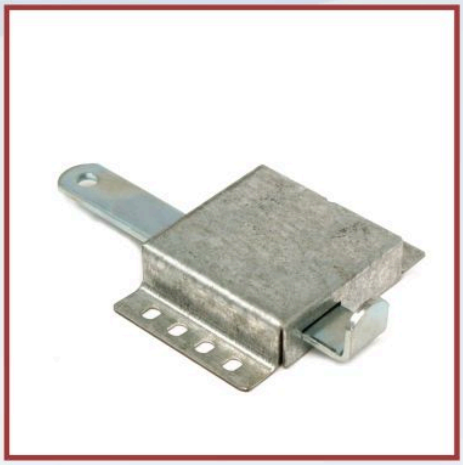
HD3084

STEP PLATE - SMALL



HD3100

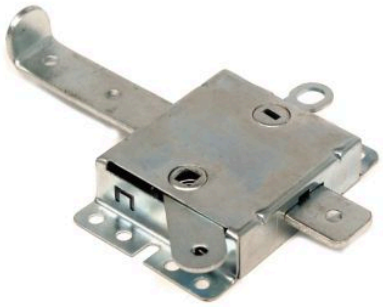
DEADBOLT STEEL CASE
100 KEY CHANGES AVAILABLE
ZINC PLATED STEEL CASE
COMPLETE WITH REQUIRED MOUNTING HARDWARE
QUALIFIED 5 PIN TUMBLER RIM CYLINDER, WITH 2 KEYS
FOR USE ON DOORS UP TO 2" THICK
MASTER KEYING AVAILABLE
MAX AVAILABLE KEY CODES



HD3120

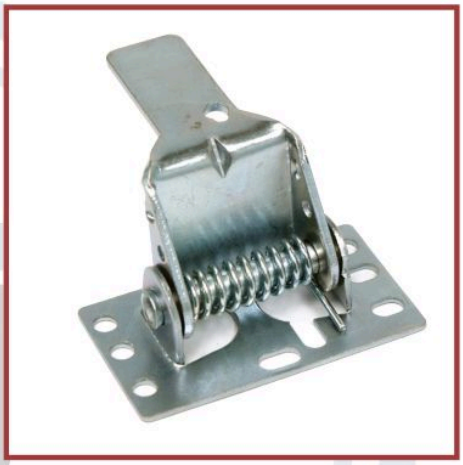
COMMERCIAL INSIDE SLIDE LATCH
BRIGHT ZINC PLATED STEEL
DESIGNED FOR 2" OR 3" TRACK
2 11/16 THROW
1/2" OFFSET FROM INSIDE FACE OF DOOR TO LOCK BAR

LOCKING SYSTEMS



HD3130

END STILE LATCH
7 1/2" LOCK BAR WITH 2 1/8" THROW
BRIGHT ZINC PLATED STEEL
USE WITH KEYED LOCK HANDLE ASSEMBLY, PART DM 3055
SUITABLE FOR USE WITH LOCKBARS, OR END STILE MOUNTING
FITS ANY OUTSIDE LOCK HANDLE WITH 2 3/4" CENTER LINE FROM
KEYED CYLINDER SPINDLE TO HANDLE SHAFT



HD3135

AUTO LATCH
BRIGHT ZINC PLATED STEEL AND SPRING
13 GAUGE BASE PLATE
11 GAUGE FLIPPER ARM
KEYHOLE SLOT FOR CABLE INSERTION AND ADJUSTMENT



HD3140

AUTO LATCH STRIKER
BRIGHT ZINC PLATED STEEL 14 GAUGE
2 1/4" LONG SLOT FOR ADJUSTMENT
DEEP NOTCH FOR POSITIVE ENGAGEMENT & SECURITY



HD3200

DEAD BOLT DIECAST CASE
100 KEY CODES AVAILABLE
POWDER COATED ZINC CASE
COMPLETE WITH REQUIRED MOUNTING HARDWARE
QUALIFIED 5 PIN TUMBLER RIM CYLINDER WITH 2 KEYS
FOR USE ON DOORS UP TO 2" THICK



HD8116

KEYED OUTSIDE DISCONNECT
DISCONNECT OPERATOR FROM OUTSIDE DOOR
INCLUDES: MOUNTING HARDWARE, 3' OF CABLE AND 2 KEYS

FASTENERS





9549	1/4-14 X 7/8 UNSLOT IND HWH AF-3/8 TEK	4000 PCS/BOX
9550	SELF DRILL & TEK - 1/4-20X3/4 (7/16 H)	4000 PCS/BOX
9551	AB SHEET METAL - 1/4 X 3/4" (3/8" H)	4000 PCS/BOX
9554S	HEX WASHER LAG - 1/4 X 1" X (3/8" H)	3000 PCS/BOX
9554W	FOR WOOD - HEX WASHER LAG - 1/4 X 1" X (3/8" H)	3000 PCS/BOX
9555	HEX WASHER LAG - 5/16 X 1 5/8" X (7/16" H)	1300 PCS/BOX
9557	HEX WASHER LAG - 5/16-9 X3" (7/16" H)	700 PCS/BOX
9558	5/16-9 X 3 IND HEX WAHSER 'A' ZINC	700 PCS/BOX
9559	#12-11 X 1 IND HEX WASHER TYPE '17' ZINC SERRATED - 3/8 A	3500 PCS/BOX
9570	FLAT HEAD CARRIAGE BOLT - 1/4" - 20 X 1 7/8	1800 PCS/BOX
9571	FLAT HEAD CARRIAGE BOLT - 1/4" - 20 X 2 1/4	1300 PCS/BOX
9572	FLAT HEAD CARRIAGE BOLT - 1/4" - 20 X 2 1/2	1200 PCS/BOX
9573	FLAT HEAD CARRIAGE BOLT - 1/4" - 20 X 2 3/4	1200 PCS/BOX
9580	1/4" X 2 NC FLAT HEAD CARRIAGE BOLT ZINC	2000 PCS/BOX
9600	TRACK BOLT - 1/4" - 20 X 3/4	4000 PCS/BOX
9601	1/4" -20 X 3/4 NC SPECIAL FLAT HD RIB NECK TRACK BOLT ZINC - SLOT	5000 PCS/BOX
9650	HEX HEAD BOLT - 1/4 - 20 X 3/4	2700 PCS/BOX
9651	HEX HEAD BOLT - 1/4 - 20 X 1	2200 PCS/BOX
9652	HEX HEAD BOLT - 5/16 - 18 X 3/4	1650 PCS/BOX
9653	HEX HEAD BOLT - 5/16 - 18 X 1	1400 PCS/BOX
9654	HEX HEAD BOLT - 3/8 - 16 X 3/4	1100 PCS/BOX
9655	HEX HEAD BOLT - 3/8 - 16 X 1 1/2	675 PCS/BOX
9656	HEX HEAD BOLT - 3/8 - 16 X 1 3/4	600 PCS/BOX
9700	SERRATED FLANGE NUT - 1/4-20	6000 PCS/BOX
9701	SERRATED FLANGE NUT - 5/16	4000 PCS/BOX
9702	SERRATED FLANGE NUT - 3/8	2500 PCS/BOX
9749	ROUND HEAD CARRIAGE BOLT - 5/16-18 X 3/4	2400 PCS/BOX
9750	ROUND HEAD CARRIAGE BOLT - 5/16-18 X 1	1600 PCS/BOX
9751	ROUND HEAD CARRIAGE BOLT - 5/16-18 X 2	850 PCS/BOX
9800	HEX NUT - 1/4 - 20	7000 PCS/BOX
9810	HEX NUT - 5/16 - 18	6000 PCS/BOX
9820	HEX NUT - 3/8 - 16	4000 PCS/BOX
9830	3/8 NC PUSH NUT ZINC	14000 PCS/BOX
9900	FLAT WASHER - 1/4	7000 PCS/BOX
9910	FLAT WASHER - 5/16	3400 PCS/BOX
9920	FLAT WASHER - 3/8	3000 PCS/BOX
9930	1/4 LOCK WASHER ZINC	20000 PCS/BOX
9940	5/16 LOCK WASHER ZINC	12500 PCS/BOX
9990	8X3/4 PN SQ A TS ZN #2 PUNCH	10000 PCS/BOX
9991	8 X 1 FL SQ WS ZN # 2 PUNCH	8000 PCS/BOX
9992	8 X 2 FLAT SQ WOODSCREW ZINC	5000 PCS/BOX
9993	8 X 3 FLAT SQ WOODSCREW ZINC	2500 PCS/BOX

TRACK SYSTEMS



15” R HORIZONTAL TRACKS

TH15R07 - 15R HORIZONTAL TRACK 7’
TH15R08 - 15R HORIZONTAL TRACK 8’
TH15R10 - 15R HORIZONTAL TRACK 10’



12” R HORIZONTAL TRACKS

TH12R07 - 12R HORIZONTAL TRACK 07’
TH12R08 - 12R HORIZONTAL TRACK 08’
TH12R10 - 12R HORIZONTAL TRACK 10’



VERTICAL TRACKS

TV069 - VERTICAL TRACK 69”
TV076 - VERTICAL TRACK 76”
TV088 - VERTICAL TRACK 88”
TV112 - VERTICAL TRACK 112”



STRUTS08,09,10, 12, 14, 15, 16, 18

2 1/4” X 08’ HEM - 22GA STRUTS
2 1/4” X 09’ HEM - 22GA STRUTS
2 1/4” X 10’ HEM - 22GA STRUTS
2 1/4” X 12’ HEM - 22GA STRUTS
2 1/4” X 14’ HEM - 22GA STRUTS
2 1/4” X 15’ HEM - 22GA STRUTS
2 1/4” X 16’ HEM - 22GA STRUTS
2 1/4” X 18’ HEM - 22GA STRUTS



PHA-P

EXTENSION PLATE HORN ANGLE OFFSET - 12GA



PHA12

12G HIGH LIFT ANGLE 12'



SUPPORTING ANGLES

TSA022 - 1 1/2" X 1 1/2" X 22"
TSA041 - 1 1/2" X 1 1/2" X 41"
TSA065 - 1 1/2" X 1 1/2" X 65"
TSA088 - 1 1/2" X 1 1/2" X 88"



2HA113, 125, 138, 162, 186, 210, 234, 258

2" 12G HORIZONTAL ANGLE 113"
2" 12G HORIZONTAL ANGLE 125"
2" 12G HORIZONTAL ANGLE 138"
2" 12G HORIZONTAL ANGLE 162"
2" 12G HORIZONTAL ANGLE 186"
2" 12G HORIZONTAL ANGLE 210"
2" 12G HORIZONTAL ANGLE 234"
2" 12G HORIZONTAL ANGLE 258"



2CSRA105,129,153,177,201,225,249
3CSRA106,130,154,178,202,226,250

2"/3" CLIP STYLE REVERSE ANGLE - 8'
2"/3" CLIP STYLE REVERSE ANGLE - 10'
2"/3" CLIP STYLE REVERSE ANGLE - 12'
2"/3" CLIP STYLE REVERSE ANGLE - 14'
2"/3" CLIP STYLE REVERSE ANGLE - 16'
2"/3" CLIP STYLE REVERSE ANGLE - 18'
2"/3" CLIP STYLE REVERSE ANGLE - 20'

RETAINERS & SEALS



EU200-12,16

VINYL “U” - 2” RETAINER12’
VINYL “U” - 2” RETAINER16’



ETR08,09,10,12,14,15,16

RESIDENTIAL BOTTOM RETAINER 8’
RESIDENTIAL BOTTOM RETAINER 9’
RESIDENTIAL BOTTOM RETAINER 10’
RESIDENTIAL BOTTOM RETAINER 12’
RESIDENTIAL BOTTOM RETAINER 14’
RESIDENTIAL BOTTOM RETAINER 15’
RESIDENTIAL BOTTOM RETAINER 16’



EA1003-08,10,12,14,16,18,20,22

1 3/8” ALUMINUM BOTTOM RETAINER 8’
1 3/8” ALUMINUM BOTTOM RETAINER 10’
1 3/8” ALUMINUM BOTTOM RETAINER 12’
1 3/8” ALUMINUM BOTTOM RETAINER 14’
1 3/8” ALUMINUM BOTTOM RETAINER 16’
1 3/8” ALUMINUM BOTTOM RETAINER 18’
1 3/8” ALUMINUM BOTTOM RETAINER 20’
1 3/8” ALUMINUM BOTTOM RETAINER 22’



EA1002-08,10,12,14,16,18,20,22

2” ALUMINUM BOTTOM RETAINER 8’
2” ALUMINUM BOTTOM RETAINER 10’
2” ALUMINUM BOTTOM RETAINER 12’
2” ALUMINUM BOTTOM RETAINER 14’
2” ALUMINUM BOTTOM RETAINER 16’
2” ALUMINUM BOTTOM RETAINER 18’
2” ALUMINUM BOTTOM RETAINER 20’
2” ALUMINUM BOTTOM RETAINER 22’



PVC-07A, 07N, 07G, 07S, 07W

CAPPING WEATHER SEAL ALMOND 7',8',9',12',16'
CAPPING WEATHER SEAL BROWN 7',8',9',12',16'
CAPPING WEATHER SEAL GREEN 7',8',9',12',16' (SPECIAL ORDER)
CAPPING WEATHER SEAL SANDSTONE 7',8',9',12',16'
CAPPING WEATHER SEAL WHITE 7',8',9',12',16'



PVC-5001CO,DO, OK

WEATHER SEAL CHERRY OAK
WEATHER SEAL DARK OAK
WEATHER SEAL OAK



WS08,10,12,14,16,18,20

ALUMINUM WEATHER SEAL 8'
ALUMINUM WEATHER SEAL 10'
ALUMINUM WEATHER SEAL 12'
ALUMINUM WEATHER SEAL 14'
ALUMINUM WEATHER SEAL 16'
ALUMINUM WEATHER SEAL 18'
ALUMINUM WEATHER SEAL 20'



EV1003-3,1003-4

3" BOTTOM SEAL
200' / ROLL
4" BOTTOM SEAL
200' / ROLL



EV300-TS

TOP SEAL



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