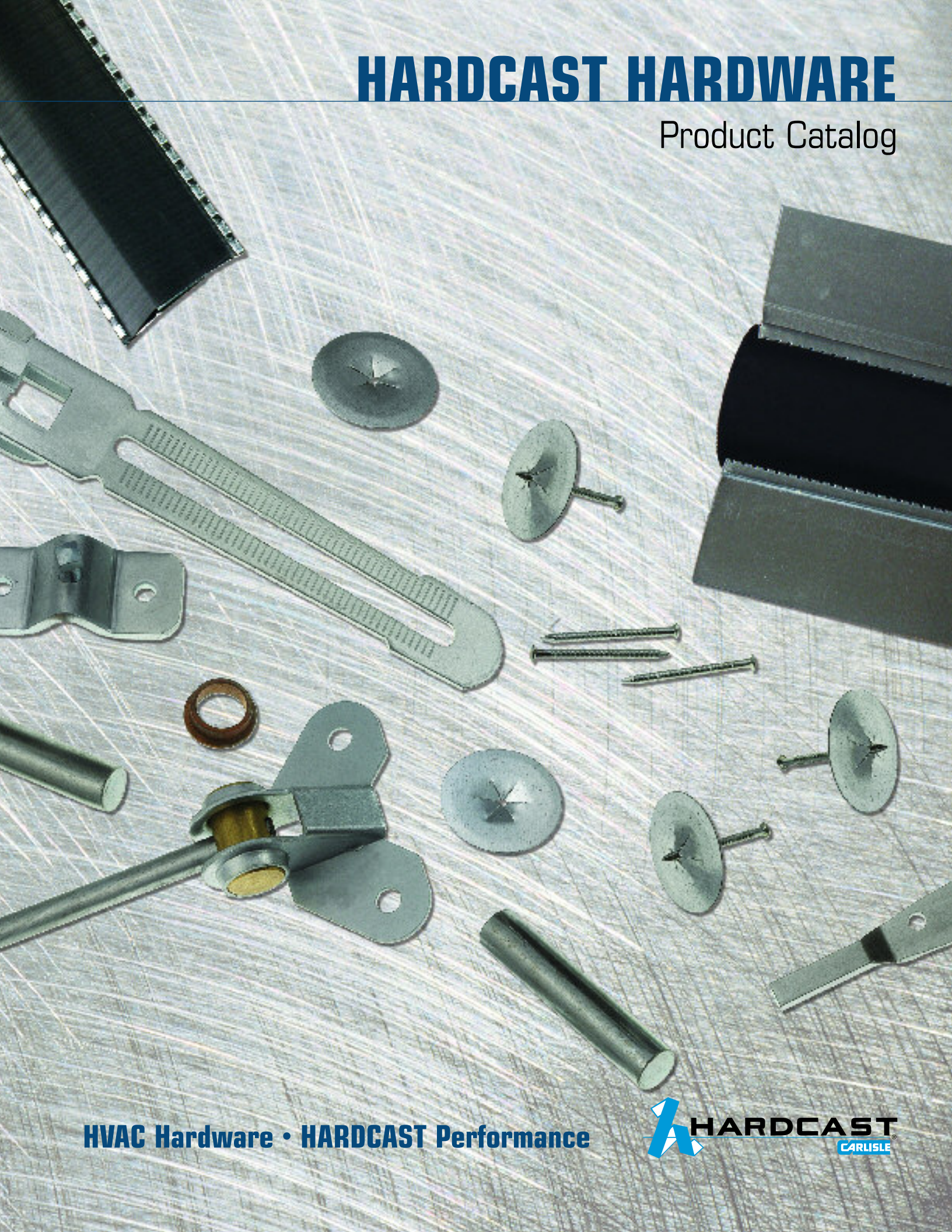


HARDCAST HARDWARE

Product Catalog



HVAC Hardware • HARDCAST Performance



INTRODUCTION

Hardcast Hardware

HARDCAST HARDWARE

Thank you for choosing Hardcast Hardware for your HVAC product of choice. The Hardcast brand of HVAC products provides "Professional HVAC Performance" throughout the product line. Hardcast products are available to the contracting community through a network of wholesale distributors and OEM sheet metal manufacturers.

COMPANY HISTORY

Hardcast, Inc. was founded in 1965 by rock'n'roll singer/songwriter Boyd Bennett. He spent the next 18 years building Hardcast, Inc., which manufactured duct/sealing tapes, mastics and related adhesives for the Heating Ventilation Air Conditioning (HVAC) industry. Acquired in 1987 by the Carlisle Corporation, Hardcast's products have grown to include an outstanding line of HVAC hardware, adhesives, sealants, caulks, sealing flashing, and repair tapes for roofing, building construction and repair. Today the Hardcast brand continues to flourish by enabling its customers to achieve greater efficiency, while lowering costs



HOW TO ORDER HARDCAST HARDWARE

Phone	888.229.0199
Fax/Order	800.285.7430
Web site	www.hardcast.com
E-mail	customerservice@hardcast.com
Mail U.S	900 Hensley Lane • Wylie, TX 75098
Mail Canada	2100 Remembrance • Lachine, QB H8S1X3

HVAC Hardware • HARDCAST Performance

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PRODUCT ABBREVIATION LEGEND

Hardcast Hardware

LEGEND



Hardcast is proud to support the following programs and organizations:



Associate Member



NOTE:




Pictures of products in this catalog are not to scale.

Abbreviation	Product Description
BRNG	Bearing
BLK	Black, Blk, Bk
BRKT	Bracket
BSNG	Bushing
CLD	Closed, Cld
CML	Commercial, Comm
CONN	Connector
DMPR	Damper
DBL	Double
FBRC	Fabric
FLSH	Flashing
FLT	Flat
GSKT	Gasket
GRY	Grey, Gray, Gry
HNDL	Handle
HYP	Hypalon, Hyp
INSUL	Insulation
LT-CML	Light Commercial
NEO	Neoprene, Neop, Neo
OPN	Open
REIN	Reinforced, Reinforcing
RSDL	Residential, Res
SIL	Silicone, Sil.
SNGL	Single
SSTL	Stainless Steel
THD	Threaded
VNLFLX	Vynlflex, Vnlflix
WSHR	Washer
WLDR	Welder, Welding
WHT	White, Wht
W/	with

PRODUCT SELECTION & IDENTIFICATION GUIDE

Hardcast Hardware

FLEXIBLE DUCT CONNECTOR

		Part #	Product Description	Qty.	Page
NEOPRENE Black		307838	CONN CML NEO CLS BLK 3-3-3 24G (CPN-4-100)	100 ft./box	18
		307842	CONN CML NEO OPN BLK 3-3-3 24G (CPN-O4-100)	100 ft./box	18
		307841	CONN CML NEO FLT BLK 3-3-3 24G (CPN-F4-100)	100 ft./box	18
		307908	CONN SUPER NEO CLS BLK 3-6-3 24G (SCPN-4-100)	100 ft./box	18
		307872	CONN LT-CML NEO CLS BLK 3-3-3 28G (LCPN-8-100)	100 ft./box	18
		307871	CONN LT-CML NEO OPN BLK 3-3-3 28G (LCPN-O8-100)	100 ft./box	18
		307874	CONN LT-CML NEO FLT BLK 3-3-3 28G (LCPN-F8-100)	100 ft./box	18
		307824	CONN TDC/TDF NEO CLS BLK 4-3-4 24G (CPDL-N)	100 ft./box	18
		307827	CONN TDC/TDF NEO OPN BLK 4-3-4 24G (CPDL-ON)	100 ft./box	18
		307889	CONN RSDL NEO CLS BLK 2-3-2 28G (RCPN-8-100)	100 ft./box	18
		307892	CONN RSDL NEO OPN BLK 2-3-2 28G (RCPN-O8-100)	100 ft./box	18
		307893	CONN RSDL NEO FLT BLK 2-3-2 28G (RCPN-F8-100)	100 ft./box	18
VINYLFLEX™ Black		307851	CONN CML VNLFLX CLS BLK 3-3-3 24G (CPV-B4-100)	100 ft./box	19
		307854	CONN CML VNLFLX OPN BLK 3-3-3 24G (CPV-OB4-100)	100 ft./box	19
		307853	CONN CML VNLFLX FLT BLK 3-3-3 24G (CPV-FB4-100)	100 ft./box	19
		307916	CONN SUPER VNLFLX CLS BLK 3-6-3 24G (SCPV-B4-100)	100 ft./box	19
		307881	CONN LT-CML VNLFLX CLS BLK 3-3-3 28G (LCPV-B8-100)	100 ft./box	19
		307885	CONN LT-CML VNLFLX OPN BLK 3-3-3 28G (LCPV-OB8-100)	100 ft./box	19
		307884	CONN LT-CML VNLFLX FLT BLK 3-3-3 28G (LCPV-FB8-100)	100 ft./box	19
		307899	CONN RSDL VNLFLX CLS BLK 2-3-2 28G (RCPV-B8-100)	100 ft./box	19
		307904	CONN RSDL VNLFLX OPN BLK 2-3-2 28G (RCPV-OB8-100)	100 ft./box	19
		307902	CONN RSDL VNLFLX FLT BLK 2-3-2 28G (RCPV-FB8-100)	100 ft./box	19
		307829	CONN TDC/TDF VNLFLX CLS BLK 4-3-4 24G (CPDL-BV)	100 ft./box	19
		307825	CONN TDC/TDF VNLFLX OPN BLK 4-3-4 24G (CPDL-OBV)	100 ft./box	19
HYPALON White		307831	CONN CML HYP CLS WHT 3-3-3 24G (CPH-4-100)	100 ft./box	20
		307835	CONN CML HYP OPN WHT 3-3-3 24G (CPH-O4-100)	100 ft./box	20
		307834	CONN CML HYP FLT WHT 3-3-3 24G (CPH-F4-100)	100 ft./box	20
		307905	CONN SUPER HYP CLS WHT 3-6-3 24G (SCPH-4-100)	100 ft./box	20

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PRODUCT SELECTION & IDENTIFICATION GUIDE

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FLEXIBLE DUCT CONNECTOR

		Part #	Product Description	Qty.	Page
HYPALON (cont.) White		307823	CONN TDC/TDF HYP CLS WHT 4-3-4 24G (CPDL-H)	100 ft./box	20
		307826	CONN TDC/TDF HYP OPN WHT 4-3-4 24G (CPDL-OH)	100 ft./box	20
SILICONE HI-T™ Gray		307843	CONN CML SIL CLS GRY 3-3-3 24G (CPS-4-100)	100 ft./box	21
		307845	CONN CML SIL OPN GRY 3-3-3 24G (CPS-O4-100)	100 ft./box	21
		307844	CONN CML SIL FLT GRY 3-3-3 24G (CPS-F4-100)	100 ft./box	21
		307875	CONN LT-CML SIL CLS GRY 3-3-3 28G (LCPS-8-100)	100 ft./box	21
		307878	CONN LT-CML SIL OPN GRY 3-3-3 28G (LCPS-O8-100)	100 ft./box	21
		307877	CONN LT-CML SIL FLT GRY 3-3-3 28G (LCPS-F8-100)	100 ft./box	21
		307911	CONN SUPER SIL CLS GRY 3-6-3 24G (SCPS-4-100)	100 ft./box	21
FAB GUARD		307865	CONN RSDL FAB FLT BLK 100 2-4-2 28G (FGRV-B8-100)	100 ft./box	22
		307867	CONN RSDL FAB FLT BLK 150 2-4-2 28G (FGRV-B8-150)	150 ft./box	22
		307861	CONN LT-CML FAB FLT BLK 100 3-4-3 28G (FGLV-B8-100)	100 ft./box	22
		307862	CONN LT-CML FAB FLT BLK 150 3-4-3 28G (FGLV-B8-150)	150 ft./box	22
CIRCUFLEX™		307856	CONN CIRCUFLEX NEO CLS BLK 24G (CUFN-75)	75 ft./box	23
		307859	CONN CIRCUFLEX VNLFLX CLS YEL 24G (CUFN-75)	75 ft./box	23
SPRING-LINK™		307926	SPRING-LINK BRKT FIXTURE (SL-200)	6/Case	24
TAB-LOK™		307924	TAB-LOK SPINE REIN DUCT CONN (CUTL-1)	25/Case	24

MULTI-BLADE DAMPER HARDWARE

		Part #	Product Description	Qty.	Page
BRACKET ASSEMBLY		307927	PARA-LINK SET PARALLEL BLADE (DK-50)	100/Case	26
		307936	OPPO-LINK SET OPPOSED BLADE (DKO-50)	25/Case	27

PRODUCT SELECTION & IDENTIFICATION GUIDE

Hardcast Hardware


MULTI-BLADE DAMPER HARDWARE

		Part #	Product Description	Qty.	Page
BRACKET ASSEMBLY (cont.)		307939	OPPO-LINK SET 1/4" 8" ROD (OLS-14)	100/Case	28
		307928	PARA-LINK BRKT MED 1/4" (PLB-14)	100/Case	29
		307942	PARA-LINK BRKT MED 1/4" W/ LONG SLDR (PLB-14L)	100/Case	29
		307944	PARA-LINK BRKT SSTL MED 1/4" (PLB-14SS)	100/Case	29
		307937	OPPO-LINK BRKT LOW 6" ROD (OLL-14-6)	100/Case	30
		307946	OPPO-LINK BRKT LOW SSTL 6" ROD (OLL-146-SS)	100/Case	30
		307940	OPPO-LINK BRKT LOW 8" ROD (OLL-14-8)	100/Case	30
		307948	OPPO-LINK BRKT LOW SSTL 8" ROD (OLL-148-SS)	100/Case	30
		308071	PIVOT BRKT LOW 1/4" TAP & SET SCREW (LBP-14)	100/Case	30
FLANGED BUSHING		307934	FLANGED BSNG BRONZE 1/2" OIL IMPREG (DKP-5)	100/Case	31
		307950	FLANGED BSNG NYLON 1/2" (DKP-5D)	50/Case	31
		307952	FLANGED BSNG SSTL 1/2" (DKP-5-SS)	100/Case	31
STRAP & SET SCREW		307930	STRAP & SET SCREW SQUARE HEAD (DKP-13)	100/Case	31
		307954	STRAP & SET SCREW HEX SOCKET (DKP-13H)	100/Case	31
BEARING PINS		307932	BRNG PIN 1/2" X 2 1/2" (DKP-50)	100/Case	32
		307955	BRNG PIN 1/2" X 6" (DKP-506)	50/Case	32
		307957	ADAPTOR BRNG PIN 1/2" X 6" SQ to RD (DKP-506A)	50/Case	32
		307959	SLIDE BRNG PIN 1/2" - 7/16" (ZSP-50)	50/Case	32











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MULTI-BLADE DAMPER HARDWARE

		Part #	Product Description	Qty.	Page
BLADE END		307960	BLADE END 2" X 100' (DBE-2)	1/Case	32






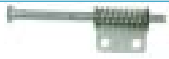
DAMPER REGULATORS-RESIDENTIAL

		Part #	Product Description	Qty.	Page
KWIKI™		307961	KWIKI SET (KHS-1)	100/Case containing 10 Sets of 10	33
		307962	KWIKI SET ECONOMY (KHSB-1)	100/Case containing 10 Sets of 10	33
		307963	KWIKI RGLTR (KH-1)	100/Case containing 10 Sets of 10	33
		307964	KWIKI RETRACTING BRNG 100 (KB-100)	100/Case	34
		307965	KWIKI RETRACTING BRNG 1,000 (KB-1T)	1,000/Case	34
		307966	KWIKI ECONOMY BRNG THD 100 (KM-100)	100/Case	34
		307967	KWIKI ECONOMY BRNG THD 1,000 (KM-1T)	1,000/Case	34
		307968	KWIKI HNDL 100 (3011-100)	100/Case	34
		307969	KWIKI HNDL 1,000 (3011-1T)	1,000/Case	34
		307970	KWIKI WINGNUT 100 (3013-100)	100/Case	34
		307971	KWIKI WINGNUT 1,000 (3013-1T)	1,000/Case	34
		307973	KWIKI WSHR STEEL ECONOMY BRNG 1,000 (3015-1T)	1,000/Case	34
		307974	KWIKI WSHR STEEL 100 (3012-100)	100/Case	34
		307975	KWIKI WSHR STEEL 1,000 (3012-1T)	1,000/Case	34
		307977	KWIKI GSKT ECONOMY BRNG 1,000 (3016-1T)	1,000/Case	34
		307979	KWIKI GSKT RETRACTING BRNG 1,000 (3014-1T)	1,000/Case	34






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DAMPER REGULATOR-RESIDENTIAL

		Part #	Product Description	Qty.	Page
MINI DIAL		307981	MINI DIAL SET (MS-1)	100/Case	35
		307982	MINI DIAL SET LONG (MS-1L)	100/Case	35
		307983	MINI DIAL RGLTR 1/4" (MB-14)	100/Case	36
		307984	MINI DIAL RGLTR LONG 1/4" (MB-14L)	100/Case	36
		307985	SPRING SLIDE BRNG 1/4" (DP-25)	100/Case	36
		307986	SPRING SLIDE BRNG LONG 1/4" (DPL-25)	100/Case	36

DAMPER REGULATORS-COMMERCIAL

		Part #	Product Description	Qty.	Page
DIAL REGULATORS		308003	DIAL-A-MATIC SET 1/4" (DRS-25)	100/Case	37
		308004	DIAL-A-MATIC SET LONG 1/4" (DRS-25L)	100/Case	37
		308005	DIAL-A-MATIC SET 3/8" (DRS-38)	100/Case	38
		308006	DIAL-A-MATIC SET LONG 3/8" (DRS-38L)	100/Case	38
		305522	LARGE DIAL-A-MATIC SET 3/8" (LDRS-38)	100/Case	38

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DAMPER REGULATORS-COMMERCIAL

		Part #	Product Description	Qty.	Page
DIAL REGULATORS (cont.)		305473	DIAL-A-MATIC SET SSTL 1/4" (DRSS-25)	100/Case	39
		305474	DIAL-A-MATIC SET SSTL 3/8" (DRSS-38)	100/Case	39
		308007	DIAL-A-MATIC DIAL 1/4" (D-25)	100/Case	40
		308009	DIAL-A-MATIC DIAL 3/8" (D-38)	100/Case	40
		305366	LARGE DIAL-A-MATIC DIAL 3/8" (LDR-38)	100/Case	40
		307991	SQUARE END BRNG 1/4" (DP-25S)	100/Case	41
		308011	ROUND END BRNG 1/4" (DP-25R)	100/Case	41
		308013	SQUARE END BRNG 3/8" (DP-38S)	100/Case	41
		307992	SQUARE END BRNG LONG 1/4" (DP-25L)	100/Case	41
		308015	SQUARE END BRNG LONG 3/8" (DP-38L)	100/Case	41
		307985	SPRING SLIDE BRNG 1/4" (DP-25)	100/Case	41
		308017	SPRING SLIDE BRNG 3/8" (DP-38)	100/Case	41
		307986	SPRING SLIDE BRNG LONG 1/4" (DPL-25)	100/Case	41
DYN-A-QUADS		308027	DYN-A-QUAD SNGL SHEAR SET 3/8" (DQS-385)	50/Case	42
		308024	DYN-A-QUAD SNGL SHEAR SET 1/2" (DQS-12)	50/Case	42
		308030	DYN-A-QUAD DUBL SHEAR SET 3/8" (DQS-385DS)	50/Case	43
		308287	DYN-A-QUAD SNGL SHEAR SET LONG 3/8" (DQS-385L)	50/Case	43

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DAMPER REGULATORS-COMMERCIAL

		Part #	Product Description	Qty.	Page
DYN-A-QUADS (cont.)		308037	SQUARE END BRNG THREADED 1/4" (DP-25T)	100/Case	44
		308038	SQUARE END BRNG THREADED LONG 1/4" (DP-25TL)	100/Case	44
		308021	ROUND END BRNG 3/8" (DP-38R)	100/Case	44
		308019	ROUND END BRNG LONG 3/8" (DP-38RL)	100/Case	44
		308033	SQUARE END BRNG 1/2" (DP-50S)	100/Case	44
		308017	SPRING SLIDE BRNG 3/8" (DP-38)	100/Case	44
		308035	ROUND END BRNG 1/2" (DP-50R)	100/Case	44
		308039	ROUND END BRNG LONG 1/2" (DP-50RL)	100/Case	44
		308028	DYN-A-QUAD SNGL SHEAR 3/8" (Q-38)	100/Case	45
		308031	DYN-A-QUAD QUADRAMATIC DBL SHEAR 3/8" (QDS-38)	50/Case	46
		308025	DYN-A-QUAD SNGL SHEAR 1/2" (Q-50)	100/Case	45
		308041	DYN-A-QUAD QUADRAMATIC DBL SHEAR 1/2" (QDS-50)	50/Case	46
		308042	DYN-A-QUAD CLAMPMATIC ROUND 3/8" (QC-38R)	50/Case	47
		308044	DYN-A-QUAD CLAMPMATIC SQUARE 1/2" (QC-50S)	50/Case	47
		308043	DYN-A-QUAD CLAMPMATIC ROUND 1/2" (QC-50R)	50/Case	47









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STAND OFF REGULATORS

		Part #	Product Description	Qty.	Page
STAND OFF REGULATORS		305513	STAND OFF RGLTR 1/4" X 1 1/2" (SOR-25-150)	100/Case	48
		305514	STAND OFF RGLTR 1/4" X 2" (SOR-25-200)	100/Case	48
		305515	STAND OFF RGLTR 3/8" X 1 1/2" (SOR-38-150)	100/Case	48
		305516	STAND OFF RGLTR 3/8" X 2" (SOR-38-200)	100/Case	48
		305517	STAND OFF RGLTR W/ DIAL 1/4" X 1 1/2" (SORD-25-150)	100/Case	49
		305518	STAND OFF RGLTR W/ DIAL 1/4" X 2" (SORD-25-200)	100/Case	49
		305519	STAND OFF RGLTR W/ DIAL 3/8" X 1 1/2" (SORD-38-150)	100/Case	49
		305520	STAND OFF RGLTR W/ DIAL 3/8" X 2" (SORD-38-200)	100/Case	49






END BEARING HOUSING & LEAK RESISTANT SETS

		Part #	Product Description	Qty.	Page
LEAK RESISTANT SETS		308048	LEAK RESISTANT SET SQUARE 1/4" (LRK-25)	25/Case	50
		308055	LEAK RESISTANT SET SQUARE 3/8" (LRK-38)	25/Case	50
		308062	LEAK RESISTANT SET SQUARE 1/2" (LRK-50)	25/Case	50
		308063	LEAK RESISTANT SET ROUND 3/8" (LRK-38R)	25/Case	50
		308066	LEAK RESISTANT SET ROUND 1/2" (LRK-50R)	25/Case	50
END BEARING HOUSING		308051	END BRNG HOUSING 1/4" (EBH-25)	25/Case	51
		308056	END BRNG HOUSING 3/8" (EBH-38)	25/Case	51
		308060	END BRNG HOUSING 1/2" (EBH-50)	25/Case	51

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END BEARING HOUSING & LEAK RESISTANT SETS

		Part #	Product Description	Qty.	Page
LEAK RESISTANT PARTS		308049	NEO & STEEL SQUARE WSHR 1/4" (LRP-25)	25/Case	51
		308053	NEO & STEEL SQUARE WSHR 3/8" (LRP-38)	25/Case	51
		308058	NEO & STEEL SQUARE WSHR 1/2" (LRP-50)	25/Case	51
		308064	NEO & STEEL ROUND WSHR 3/8" (LRP-38R)	25/Case	51
		308067	NEO & STEEL ROUND WSHR 1/2" (LRP-50R)	25/Case	51




DAMPER ACCESSORIES

		Part #	Product Description	Qty.	Page
BALL JOINT		308069	BALL JOINT 1/4" W/ GSKT & WSHR (BJ-14)	25/Case	52
SPLITTER DAMPER BRACKETS		308070	SPLITTER BRKT 1/4" (SB14)	25/Case	53
		308071	PIVOT BRKT LOW 1/4" TAP & SET SCREW (LBP-14)	100/Case	53
CRANK ARMS		308072	DMPR CRANK ARM 3/8" (DCA-38)	100/Case	54
		308073	DMPR CRANK ARM 1/2" (DCA-50)	100/Case	54
		304411	DMPR CRANK ARM HEX 1/2" (DCA-50 HEX)	100/Case	54
		308074	DMPR CRANK ARM SQUARE 1/2" (DCA-50S)	100/Case	54
		308077	DMPR CRANK ARM COLLET 1/2" (CDCA-50L)	100/Case	54
		308075	DMPR CRANK ARM COLLET SHORT 1/2" (CDCA-50)	100/Case	54










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DAMPER ACCESSORIES

		Part #	Product Description	Qty.	Page
BALL SWIVEL		308082	BALL SWIVEL FOR CRANK ARM (DCS-313)	25/Case	55
CONTROL ROD		304458	DMPR CONTROL ROD 1/4" X 62" (DCR-62)	25/Bundle	55
INSTRUMENT TEST PORT		308081	TEST PORT FITTING (PTP-1)	25/Case	55







VANE RAIL

		Part #	Product Description	Qty.	Page
DYN-O-RAIL		308088	DYN-O-RAIL CML NOM 4" X 100' (DR-35)	100ft./Case	56
		308089	DYN-O-RAIL JR RSDL (2) 2 1/4" X 100' (JDR-225)	200ft./Case	56
VANE SETTERS		304639	VANE SETTER (VST-1)	1	57
		308087	IMPACT VANE SETTER AIR OPERATED W/TIP (AVST-2)	1	58
		307291	VANE SETTER TIP (AVS-TIP)	1	58
HOLLOW VANE & PUSH-ON RAIL		308093	HOLLOW VANE 5 1/2" X 8' (V-50)	10/Bundle	59
		308091	HOLLOW VANE JR 2 1/2" X 8' (V-25)	10/Bundle	59
		308097	PUSH ON RAIL 5 1/2" X 8' (R-50)	10/Bundle	59
		308095	PUSH ON RAIL JR 2 1/2" X 8' (R-25)	10/Bundle	59


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ACCESS DOOR HARDWARE

		Part #	Product Description	Qty.	Page
ACCESS DOOR HARDWARE		308098	SWIVEL-LOK (DSL-1)	50/Case	60
		308099	ACCESS DOOR HNDL 3/8" SHAFT (ADH-38)	25/Case	60
		308100	ACCESS DOOR HNDL 1/2" SHAFT (ADH-50)	25/Case	61
		308101	ACCESS DOOR HNDL FOR 2" DOORS (ADH-100-2)	10/Case	62
		308102	ACCESS DOOR HNDL FOR 3" & 4" DOORS (ADH-100-4)	10/Case	62
KWIK-STIK GASKET TAPE		304605	GSKT TAPE NEO 1/8" X 1/2" X 50' (KGN-22)	24/Case	63
		304606	GSKT TAPE NEO 1/8" X 3/4" X 50' (KGN-23)	16/Case	63
		304607	GSKT TAPE NEO 1/4" X 3/4" X 25' (KGN-43)	16/Case	63
		304608	GSKT TAPE NEO 3/8" X 3/4" X 20' (KGN-63)	16/Case	63
		304609	GSKT TAPE URETHANE 3/16" X 1/2" X 50' (KGU-38)	24/Case	63
		304610	GSKT TAPE URETHANE 1/4" X 3/4" X 40' (KGU-43)	16/Case	63
		304611	GSKT TAPE URETHANE 3/8" X 3/4" X 25' (KGU-63)	24/Case	63


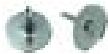

INSULATION FASTENERS

		Part #	Product Description	Qty.	Page
SPOT-ONS (Clips sold separately)		308103	SPOT-ONS PINS 3/4" 1,000 (DST-75)	1,000/Case	64
		308105	SPOT-ONS PINS 1 1/4" 1,000 (DST-125)	1,000/Case	64
		308107	SPOT-ONS PINS 2" 1,000 (DST-200)	1,000/Case	64
		308109	SPOT-ONS PINS 2 1/2" 1,000 (DST-250)	1,000/Case	64
		308104	SPOT-ONS PINS 3/4" 5,000 (DSB-75)	5,000/Case	64
		308106	SPOT-ONS PINS 1 1/4" 5,000 (DSB-125)	5,000/Case	64

PRODUCT SELECTION & IDENTIFICATION GUIDE

Hardcast Hardware





INSULATION FASTENERS

		Part #	Product Description	Qty.	Page
SPOT-ONS (cont.)		308108	SPOT-ONS PINS 2" 5,000 (DSB-200)	5,000/Case	64
		308110	SPOT-ONS PINS 2 1/2" 5,000 (DSB-250)	5,000/case	64
		308325	SPOT-ONS CLIPS ALL LENGTHS 1,000 (DCT-100)	1,000/Case	64
		308327	SPOT-ONS CLIPS ALL LENGTHS 5,000 (DCB-100)	5,000/Case	64
WELD-ONS CUP HEAD		308111	WELD-ONS CUP 1/2" 1,000 (DWT-50)	1,000/Bucket	65
		308112	WELD-ONS CUP 3/4" 1,000 (DWT-75)	1,000/Bucket	65
		308113	WELD-ONS CUP 1" 1,000 (DWT-100)	1,000/Bucket	65
		308114	WELD-ONS CUP 1 1/8" 1,000 (DWT-118)	1,000/Bucket	65
		308115	WELD-ONS CUP 1 1/4" 1,000 (DWT-125)	1,000/Bucket	65
		308116	WELD-ONS CUP 1 1/2" 1,000 (DWT-150)	1,000/Bucket	65
		308119	WELD-ONS CUP 1/2" 5,000 (DWB-50)	5,000/Bucket	65
		308120	WELD-ONS CUP 3/4" 5,000 (DWB-75)	5,000/Bucket	65
		308121	WELD-ONS CUP 1" 5,000 (DWB-100)	5,000/Bucket	65
		308122	WELD-ONS CUP 1 1/8" 4,000 (DWB-118)	4,000/Bucket	65
		308123	WELD-ONS CUP 1 1/4" 4,000 (DWB-125)	4,000/Bucket	65
		307099	WELD-ONS CUP 1 1/2" 3,000 (DWB-150)	3,000/Bucket	65
WELD-ONS FLAT HEAD		308134	WELD-ONS FLAT 1/2" 1,000 (FWT-50)	1,000/Bucket	66
		308135	WELD-ONS FLAT 3/4" 1,000 (FWT-75)	1,000/Bucket	66
		308136	WELD-ONS FLAT 1" 1,000 (FWT-100)	1,000/Bucket	66
		308137	WELD-ONS FLAT 1 1/8" 1,000 (FWT-118)	1,000/Bucket	66
		308138	WELD-ONS FLAT 1 1/4" 1,000 (FWT-125)	1,000/Bucket	66
		308139	WELD-ONS FLAT 1 1/2" 1,000 (FWT-150)	1,000/Bucket	66
		304972	WELD-ONS FLAT 2" 1,000 (FWT-200)	1,000/Bucket	66
		308141	WELD-ONS FLAT 1/2" 5,000 (FWB-50)	5,000/Bucket	66
		308142	WELD-ONS FLAT 3/4" 5,000 (FWB-75)	5,000/Bucket	66
		308143	WELD-ONS FLAT 1" 5,000 (FWB-100)	5,000/Bucket	66
		308144	WELD-ONS FLAT 1 1/8" 4,000 (FWB-118)	4,000/Bucket	66
		308145	WELD-ONS FLAT 1 1/4" 4,000 (FWB-125)	4,000/Bucket	66
		307097	WELD-ONS FLAT 1 1/2" 3,000 (FWB-150)	3,000/Bucket	66
		304973	WELD-ONS FLAT 2" 3,000 (FWB-200)	3,000/Bucket	66

PRODUCT SELECTION & IDENTIFICATION GUIDE

Hardcast Hardware





INSULATION FASTENERS

		Part #	Product Description	Qty.	Page
GRIP-ONS		308239	GRIP-ON'S 1/2" 1,000 (GOT-50)	1,000/Bucket	67
		308235	GRIP-ON'S 1" LD 1,000 (GOT-100LD)	1,000/Bucket	67
		308236	GRIP-ON'S 1" MD 1,000 (GOT-100MD)	1,000/Bucket	67
		308234	GRIP-ON'S 1" HD 1,000 (GOT-100HD)	1,000/Bucket	67
		308237	GRIP-ON'S 1 1/2" 1,000 (GOT-150)	1,000/Bucket	67
		308238	GRIP-ON'S 2" 1,000 (GOT-200)	1,000/Bucket	67
		308233	GRIP-ON'S 1/2" 5,000 (GOB-50)	5,000/Bucket	67
		308229	GRIP-ON'S 1" LD 5,000 (GOB-100LD)	5,000/Bucket	67
		308230	GRIP-ON'S 1" MD 5,000 (GOB-100MD)	5,000/Bucket	67
		308228	GRIP-ON'S 1" HD 5,000 (GOB-100HD)	5,000/Bucket	67
		308231	GRIP-ON'S 1 1/2" 5,000 (GOB-150)	5,000/Bucket	67
		308232	GRIP-ON'S 2" 4,000 (GOB-200)	4,000/Bucket	67
STIK-ONS™ (Clips included)		308161	STIK-ONS 3/4" 100 (SKC-75)	100/Case	68
		308162	STIK-ONS 1 1/4" 100 (SKC-125)	100/Case	68
		308163	STIK-ONS 1 3/4" 100 (SKC-175)	100/Case	68
		308164	STIK-ONS 2" 100 (SKC-200)	100/Case	68
		308165	STIK-ONS 2 1/2" 100 (SKC-250)	100/Case	68
		308166	STIK-ONS 3/4" 1,000 (SKM-75)	1,000/Case	68
		308167	STIK-ONS 1 1/4" 1,000 (SKM-125)	1,000/Case	68
		308168	STIK-ONS 1 3/4" 1,000 (SKM-175)	1,000/Case	68
		308169	STIK-ONS 2" 1,000 (SKM-200)	1,000/Case	68
		308170	STIK-ONS 2 1/2" 1,000 (SKM-250)	1,000/Case	68
SPOT-ON WELDER		304641	PIN WLDR 115V & CASE (PW-33-1)	1	69
		304642	PIN WLDR 220V & CASE (PW-33-2)	1	69
WELD-ON WELDER		304644	PIN WLDR SOLID STATE RESISTANCE WLDR (DDP-150)	1	70

PRODUCT SELECTION & IDENTIFICATION GUIDE

Hardcast Hardware

SHEET METAL SCREWS

		Part #	Product Description	Qty.	Page
		308183	LASERS HEX HEAD #8 X 1/2" 1,000 (SLT - 8X1/2)	1,000/Case	71
		308185	LASERS HEX HEAD #8 X 3/4" 1,000 (SLT - 8X3/4)	1,000/Case	71
		308181	LASERS HEX HEAD #8 X 1/2" 10,000 (SLB - 8X1/2)	10,000/Case	71
		308182	LASERS HEX HEAD #8 X 3/4" 10,000 (SLB - 8X3/4)	10,000/Case	71
		308191	TECHS HEX HEAD #8 X 1/2" 1,000 (SPT - 8X1/2)	1,000/Case	71
		308193	TECHS HEX HEAD #8 X 3/4" 1,000 (SPT - 8X3/4)	1,000/Case	71
		308195	TECHS HEX HEAD #10 X 1/2" 1,000 (SPT - 10X1/2)	1,000/Case	71
		308197	TECHS HEX HEAD #10 X 3/4" 1,000 (SPT - 10X3/4)	1,000/Case	71
		308187	TECHS HEX HEAD #8 X 1/2" 10,000 (SPB - 8X1/2)	10,000/Case	71
		308188	TECHS HEX HEAD #8 X 3/4" 10,000 (SPB - 8X3/4)	10,000/Case	71
		308189	TECHS HEX HEAD #10 X 1/2" 10,000 (SPB - 10X1/2)	10,000/Case	71
		308190	TECHS HEX HEAD #10 X 3/4" 6,000 (SPB - 10X3/4)	6,000/Case	71
CHUCKS		308199	CHUCK 1/4" HEX DRIVER (HC-14)	12/Case	71
		308201	CHUCK 5/16" HEX DRIVER (HC-516)	12/Case	71

SEALANTS & ADHESIVES

	Product Description	Page
SEALANTS AND ADHESIVES	ORIGINAL HARDCAST TWO PART SEALING SYSTEM	72
	MASTIC DUCT SEALANTS	72
	ROLLED ELASTOMERIC DUCT SEALANTS	72
	DUCT LINER INSULATION ADHESIVES	72
	GENERAL CONSTRUCTION SEALANTS	72
	HARDCAST SPRAY ADHESIVE SYSTEMS	72

FLEXIBLE DUCT CONNECTOR

Hardcast Hardware

CONNECTOR PLUS™

Flexible Duct Connectors



Connector Plus™ Flexible Duct Connector is the premium manufactured flexible duct connector. Made for industrial, commercial and residential applications, Connector Plus is available in a variety of special fabrics and two gauges of prime **G-90 galvanized steel**. The continuous 100' rolls readily dispense from a bench-high carton. Connector Plus excels in isolating vibrations produced by air handling units, fans, blowers and other HVAC equipment.



**Heavy Duty G-90
Galvanized Steel**

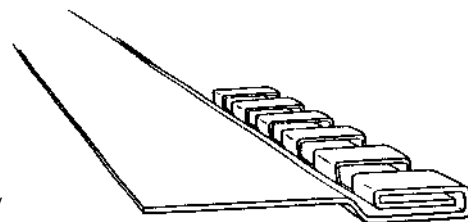
		Configurations		
		Open	Flat	Closed
Fabrics	NEOPRENE	•	•	•
	VINYLFLEX™	•	•	•
	HYPALON	•	•	•
	SILICONE HI-T™	•	•	•

* Refer to Product Selection and Identification Guide for Specific Details

Open Flat Closed



- Utilizes Heavy Duty G-90 Steel, Thicker Galvanized Coated Steel for Extended Product Life
- The Offset Seam Acts as a Structural Stabilizer, Adding Rigidity While Eliminating the Need For Added 90° Bends Used in Some Shops
- Offset Seams Protects Fabrics During Folding/Rolling
- Offers Precisely Perforated Double Fold Seams
- Connector Plus Offers Quality Unmatched by Others
- Double Fold Offset Seam™ Is Carefully Pressure Controlled During Manufacturing
- Offers Superior Holding Power and Tear Resistance
- Offset Seam Adds Structural Stiffness to the Connection, Yet Cuts and Works Easily
- Offset Seam Protects Fabric and Adds Structural Stiffness
- Provides the Correct Fabric and Metal Gauge for Every Application
- City of Los Angeles Approval RR #8434; ASTM-E84



Double Fold Offset Seam™

HVAC Hardware • HARDCAST Performance

Carlisle Coatings and Waterproofing, Incorporated • 900 Hensley Lane • Wylie, TX 75098 • 800-527-7092 • www.hardcast.com

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FLEXIBLE DUCT CONNECTOR

Hardcast Hardware

NEOPRENE

Connector Plus™ Flexible Duct Connectors

NEOPRENE is the choice of specifying engineers. It is the industry standard, retaining its flexibility and aging characteristics over a long period of time. NEOPRENE offers high resistance to a broad range of chemicals, acids and alkalis.



- The Industry Standard for Air Handling Systems
- Airtight, Waterproof, Resistant to Mildew
- Resistant to Many Acids, Oils, Alkaline, Toxic Fumes
- Used in High Velocity, High Pressure Systems
- Fabric is Tested in Accordance with ANSI/UL-214 for Flame Propagation of Fabrics and Films

RECOMMENDED USES:

NEOPRENE can be used with confidence on all high velocity and high pressure HVAC systems or when exposed to toxic fumes. It should not be used above 235°F.

Product Technical Data (Fabric Only)

Basic Fabric:	Fiberglass weave	Fire Rating: Self-extinguishing fabric.
Coating:	Neoprene (chloroprene)	Surpasses all requirements for Duct
Weight:	29 oz./yd. ² (983 g/m ²)	Connectors as per National Fire Protection
Thickness:	.027 inches (686mm)	Association Standard 90A and 90B. Meets
Tensile Strength:	475 x 375 lbs. (2114x1669N)	ULC-S109, 1969 standards of Flame Tests of
Burst Strength:	750 psi + (5171 kPa)	Flame Resistant Fabrics. Fabric is tested in
Tear Strength:	25 x 20lbs. (111x89N)	accordance with ANSI/UL-214 for flame
Heat Range:	-35°F + 235°F (-37OC + 112°C)	propagation of fabrics and films.
Approvals:	City of Los Angeles Approval RR #8434; ASTM-E84	

FLEXIBLE DUCT CONNECTOR

Hardcast Hardware

VINYLFLEX™ Connector Plus™ Flexible Duct Connectors

VINYLFLEX™ is a polyvinyl chloride coated polyester woven fabric with tremendous tear resistance.



- Low Cost
- Leak Proof
- Wide Temperature Range
- Good Abrasion Resistance
- Resistant to Moisture and Mildew
- Used in Heating and Cooling Applications
- Available Black or Yellow
- Great Strength and Tear Resistance
- Flame Resistant - Self Extinguishing ARL Listed and Tested in Accordance with ANSI/UL-214 for Flame Propagation of Fabrics and Films



RECOMMENDED USES:

VINYLFLEX™ can be used on both supply and return air ducts in most HVAC applications where an economical flexible connection is required and can be used in damp locations, resisting bacterial attack. VINYLFLEX™ is a replacement for canvas, which is no longer considered acceptable.

Product Technical Data (Fabric Only)

Basic Fabric:	Polyester Scrim
Coating:	Polyvinyl Chloride
Weight:	20 oz. / yd. ² (678 g/m ²)
Thickness:	.023 inches (.58mm)
Tensile Strength:	220 x 195 lbs. (979x868N)
Burst Strength:	300 psi+ (2069kPa)
Tear Strength:	70 x 45lbs. (312x200N)
Heat Range:	-35°F + 200°F (-37°C + 95°C)
Approvals:	City of Los Angeles Approval RR #8434; ASTM-E84

Fire Rating: Self-extinguishing.
Exceeds Safety Standards for flame tests of flame resistant fabrics, ULC-S109-1969. Meets specifications for duct connector as per the National Fire Protection Association, Standard 90A and 90B.ARL Listed and tested in accordance with ANSI/UL-214 for flame propagation of fabrics and films.

FLEXIBLE DUCT CONNECTOR

Hardcast Hardware

HYPALON

Connector Plus™ Flexible Duct Connectors

HYPALON is the preferred material for outdoor applications such as connections to rooftop units where they may be in direct strong sunlight. It is unaffected by ozone and can be used near electrostatic air cleaners with complete confidence. It is more abrasion-resistant than NEOPRENE, has a slightly wider operating temperature range and excellent aging qualities. HYPALON resists a wide range of chemicals.



- Waterproof and Airtight
- Off-white in Color
- Highly Resistant to Ozone and Sunlight
- Can be Used Indoors and Outdoors
- Resists Abrasion Better than NEOPRENE
- Wider Operating Temperature Range
- Superior Aging Characteristics
- Fabric Meets UL 214 Classification



RECOMMENDED USES:

Use for flexible connections in **OUTDOOR APPLICATIONS** subject to direct sunlight, such as rooftop units, etc.

While it is slightly more costly than NEOPRENE, HYPALON offers special characteristics, such as superior abrasion resistance, wider temperature range and better weathering capabilities, including resistance to ultraviolet and ozone.

Product Technical Data (Fabric Only)

Basic Fabric: Woven Fiberglass

Coating: Hypalon (C.S.M.)

Weight: 24 oz. / yd.² (814 g/m²)

Thickness: .020 inches (.51 mm)

Tensile Strength: 475 x 375 lbs (2114x1669N)

Burst Strength: 750 psi+ (5171 kPa)

Tear Strength: 20 x 15 lbs (89x67N)

Heat Range: -50°F + 260°F (-46°C + 126°C)

Approvals: City of Los Angeles Approval RR #8434; ASTM-E84

Fire Rating: Self-extinguishing.

Meets requirements for duct connectors as per National Fire Protection Association Standard 90A. Meets ULC-S109 standards of Flame Tests of Flame Resistant Fabrics. Fabric is UL Listed (UL-214)

FLEXIBLE DUCT CONNECTOR

Hardcast Hardware

SILICONE HI-T™

Connector Plus™ Flexible Duct Connectors—High Temp

SILICONE HI-T™ has a wide temperature range and is waterproof, airtight and virtually chemically inert. It will withstand the severe effects of strong sunlight, weathering and aging. This material will not burn and emits minimal fumes when exposed to open flame.



- For High Temperature Applications
- The Asbestos Substitute
- Waterproof and Airtight
- Non-Flammable
- Ozone Resistant



RECOMMENDED USES:

SILICONE HI-T is a substitute for asbestos cloth in high temperature applications. Offering airtight and outstanding properties lacking in other flexible connector materials, it can be considered for almost any application requiring high temperature performance and fire-proof qualities.

Product Technical Data (Fabric Only)

Basic Fabric:	Fiberglass weave	Fire Rating:	Nonflammable.
Coating:	Silicone rubber		Does not support combustion.
Weight:	19 oz. / yd. ² (645 g/m ²)		Meets UL-214, N.F.P.A. Standard 90 A and
Thickness:	.020 inches (.51 mm)		90 B classifications.
Tensile Strength:	200 x 150 lbs (890x668N)		
Burst Strength:	400 psi + (2758kPa)		
Tear Strength:	50 x 40 lbs (223x178N)		
Heat Range:	-60°F + 500°F (-51°C + 260°C) Continuous		
Approvals:	City of Los Angeles Approval RR #8434; ASTM-E84		

FLEXIBLE DUCT CONNECTOR

Hardcast Hardware

FAB GUARD

Connector Plus™ Flexible Duct Connectors

- FAB GUARD Is Designed to Protect the Fabric During Fabrication Operations
- Available in Extra Wide 4" Fabric to Allow More Flexibility in All Installations
- Packaged in the Open Position to Facilitate Scribing as the Roll Gets Pulled Out of Its Packaging
- Available exclusively in 28 Gauge in Black Vinyl Fabric with Roll Lengths of 100' and 150'
- Residential 1¼" x 4" x 1¼"
- Light Commercial 2½" x 4 x 2½"
- City of Los Angeles Approval RR #8434; ASTM-E84



FLEXIBLE DUCT CONNECTOR

Hardcast Hardware

CIRCU-FLEX™

Spine-Reinforced Duct Connector

THE COMPANION TO CONNECTOR PLUS™

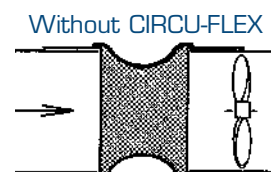
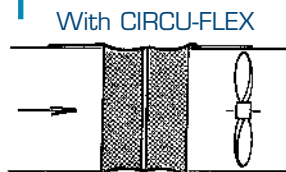
NORTH AMERICA'S FINEST CONNECTOR PRODUCT with double fold offset seam, now available with CIRCU-FLEX™.

A POSITIVE response to fabric collapse at circular NEGATIVE and POSITIVE pressure inlets on axial flow fans and blowers.

Excellent for non-collapsing flexible duct connector collars.



Industry Exclusive
PATENTED technology



4 - 5 - 4
Metal - Fabric - Metal

Patented CIRCU-FLEX™ features the **PATENTED** POSI-LOK™, two part metal strip assembly, which is mechanically clenched along the fabric portion of our standard connector and floats freely without making contact with the metal edges of the connector. When cut from a CIRCU-FLEX™ coil and formed into a collar, the stiffness of the resulting connector maintains its rigidity, even at negative pressures of 8-10" water gauge. This minimizes the inward collapse of the fabric and maintains unrestricted airflow through the connector. Available in NEOPRENE and VINYL FLEX. Fabric is tested in accordance with ANSI/UL-214 for flame propagation of fabrics and films.

City of Los Angeles Approval RR #8434; ASTM-E84



FLEXIBLE DUCT CONNECTOR

Hardcast Hardware

SPRING-LINK™

Compression Spring/Bracket Fixture

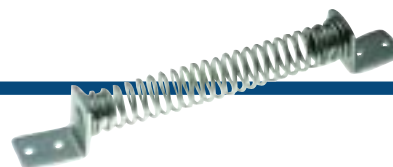
SL-200 Linkage is for non-collapsing flexible duct connector collars.

SPRING-LINK is ideal for high pressure connector applications. SPRING-LINK consists of a spring and a two-bracket assembly.

The assembly is mounted on flexible connector collars at high pressure blower inlets and outlets.

Attach the brackets securely to the metal strips of the connector collar using #10 or heavier S/M screws or equivalent. The compression spring is inserted between the brackets, reinforcing the fabric with sufficient tension to prevent connector collapse under high negative or positive pressure.

SPRING-LINK can also be used in positive pressure applications where control of 'ballooning' is required. The number and positioning of SPRING-LINK fixtures will be determined by the physical size and configuration of the connector collar and the negative or positive pressure at the equipment inlet or outlet. City of Los Angeles Approval RR #8434; ASTM-E84



Part #	Product Description	Qty.
307926	SPRING-LINK BRKT FIXTURE (SL-200)	6/Case

TAB-LOK™

This aluminum sleeve gathers together the tail ends of the CIRCU-FLEX's reinforcing metal strips known as POSI-LOK.



Part #	Product Description	Qty.
307924	TAB-LOK SPINE REIN DUCT CONN (CUTL-1)	25/Case



CIRCU-FLEX/SPRING-LINK:

- This Patented Connector Reduces Fabric Collapse at Fan and Blower Inlets, Allowing Steady Air Velocity
- SPRING-LINK Offers Fabric Tension Between Duct Outlet and Fan/Blower Inlet
- Maintains Connector Shape at Fan/Blower Outlets

MULTI-BLADE DAMPER HARDWARE

Hardcast Hardware

PARA-LINK™ & OPPO-LINK™

For many years, various damper hardware producers have copied the original Honeywell multi-blade damper hardware designs with some interesting, but often questionable innovations. The basic dimensions and concept have remained unchanged.

Years of experience in designing and manufacturing this hardware has led Hardcast engineers to a simple, progressive approach. Opposed action dampers have traditionally required a special high and low bracket. This is no longer necessary; only two brackets are needed for all normal dampers. Also, Hardcast's compression ring/locknut clamp replaces set screws, while steel parts are zinc-plated to industry specifications.



**Also Available
in Stainless Steel**



PARA-LINK™ Bracket

Most Dependable Clamping System Available

- Infinite Adjustments of Connecting Rods
- No Deformation of Rod Face from Set Screws
- Readjustment after Installation Simplified
- Rods are Placed in 'Double-Shear'



OPPO-LINK™ Bracket

HVAC Hardware • HARDCAST Performance

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MULTI-BLADE DAMPER HARDWARE

Hardcast Hardware

PARA-LINK™ Set

Part #	Product Description	Qty.
307927	PARA-LINK SET PARALLEL BLADE (DK-50)	100 Sets/Case
Set Includes:	(1) PARA-LINK BRKT MED 1/4" (2) STRAP & SET SCREW SQUARE HEAD (2) FLANGED BSNG BRONZE 1/2" OIL IMPREG (2) BRNG PIN 1/2" X 2 1/2"	



MULTI-BLADE DAMPER HARDWARE

Hardcast Hardware

OPPO-LINK™ Set

Part #	Product Description	Qty
307936	OPPO-LINK SET OPPOSED BLADE (DKO-50)	25 Sets/Case
Set Includes:		
(1) PARA-LINK BRKT MED 1/4"		
(1) OPPO-LINK BRKT LOW 8" ROD		
(4) STRAP & SET SCREW HEX SOCKET		
(4) FLANGED BSNG BRONZE 1/2" OIL IMPREG		
(4) BRNG PIN 1/2" X 2 1/2"		



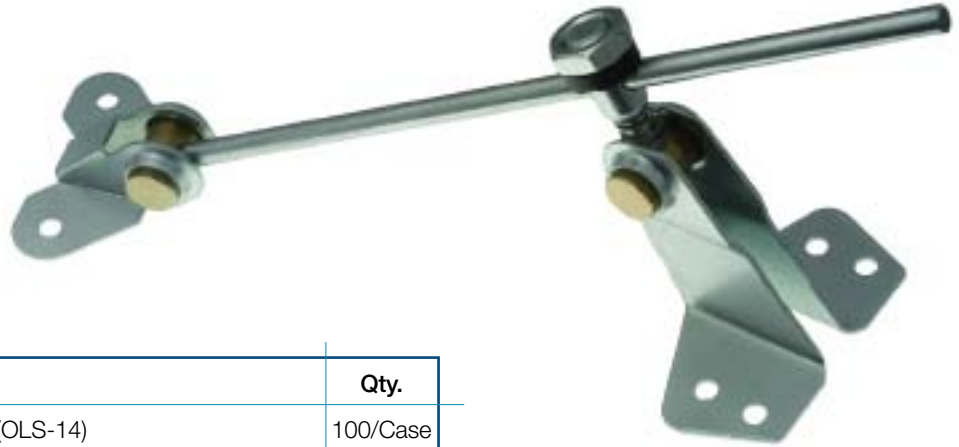
Part #	Product Description	Qty.
307928	PARA-LINK BRKT MED 1/4" (PLB-14)	100/Case

Part #	Product Description	Qty.
307940	OPPO-LINK BRKT LOW 8" ROD (OLL-14-8)	100/Case

MULTI-BLADE DAMPER HARDWARE

Hardcast Hardware

OPPO-LINK™
Set



Part #	Product Description	Qty.
307939	OPPO-LINK SET 1/4" 8" ROD (OLS-14)	100/Case

MULTI-BLADE DAMPER HARDWARE

Hardcast Hardware

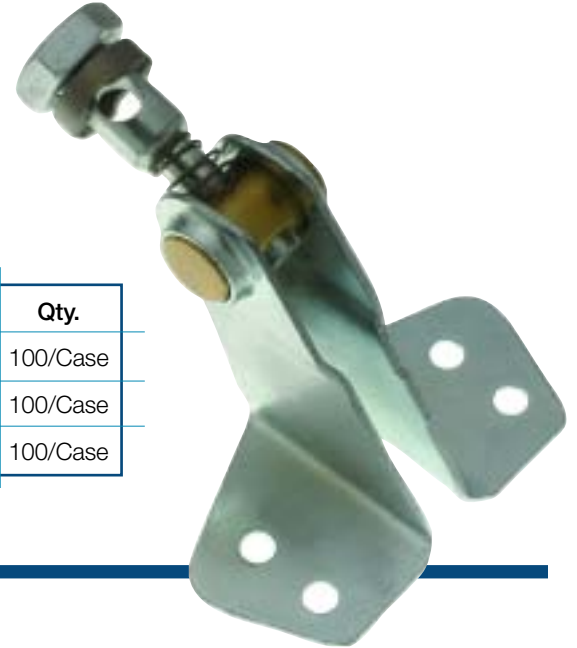
PARA-LINK™ BRACKET

For Parallel Blade Dampers



**Also Available
in Stainless Steel**

Part #	Product Description	Qty.
307928	PARA-LINK BRKT MED 1/4" (PLB-14)	100/Case
307944	PARA-LINK BRKT SSTL MED 1/4" (PLB-14SS)	100/Case
307942	PARA-LINK BRKT MED 1/4" W/ LONG SLDR (PLB-14L)	100/Case



- 16 Gauge Steel Precision Stamping, Zinc Plated
- Narrow Leading Edge Minimizes Airflow Resistance
- Brass Pivot, Steel "Slider" and Special Design Stainless Steel Taper Spring Allows for SELF ALIGNMENT When Installed
- Unique Connecting Rod CLAMPING ASSEMBLY Uses a Special COMPRESSION RING/JAM NUT (7/16-20) Combination for SUPERIOR HOLDING POWER. The Connecting Rod is not Mutilated as with Set Screws
- Minor Readjustments Are Easily Made Since the Connecting Rod Remains Smooth
- THE CLAMPING ASSEMBLY Has Two to Three Times the Holding Power that Is Available with Traditional Set Screws. Use This System for Fully Dependable Bracket Hardware. It Is a TOUGH PERFORMER
- Uses One High Bracket
- Self-Adjusting
- Thin, Streamlined Leading Edge on the Heavy Duty Steel Stamping
- No-Bind "Slider" has 7/16" Thread and Special-Taper "No Rattle" Stainless Spring
- Compression Ring/Locknut Clamps Rod with Double Shear Grip, Giving Greater Holding Power Than a Set Screw but without Any Damage to the Rod. Minor Readjustments Are Easily Made in the Field
- Set the Locknut with a Standard 1 1/16" Box or Open-End Wrench
- Same High Bracket, Used in Conjunction with a Low Bracket is Used for Opposed Action Dampers. Only Two Brackets Needed. Simplifies Parts Inventory

MULTI-BLADE DAMPER HARDWARE

Hardcast Hardware

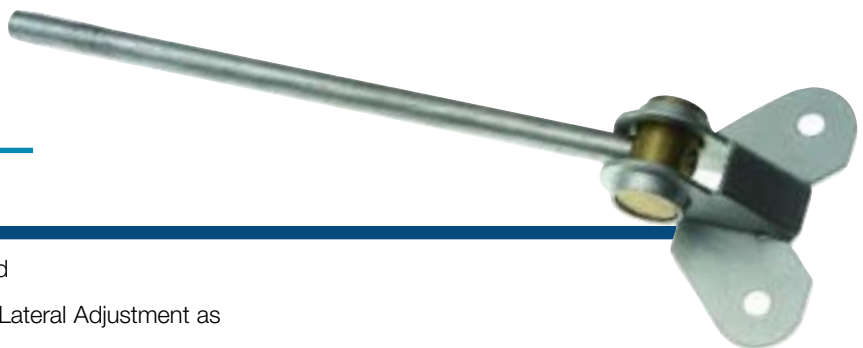
OPPO-LINK™ BRACKET

For Opposed Action Dampers



OPPO-LINK™ low bracket rods are fully threaded into the brass pivots. They cannot work loose!

Part #	Product Description	Qty.
307937	OPPO-LINK BRKT LOW 6" ROD (OLL-14-6)	100/Case
307946	OPPO-LINK BRKT LOW SSTL 6" ROD (OLL-146-SS)	100/Case
307940	OPPO-LINK BRKT LOW 8" ROD (OLL-14-8)	100/Case
307948	OPPO-LINK BRKT LOW SSTL 8" ROD (OLL-148-SS)	100/Case



- 16 Gauge Steel Precision Stamping, Zinc Plated
- Material's Narrow, Efficient Design Gives Same Lateral Adjustment as Other Hardware Models
- Brass Pivot Is TAPPED to Receive the Threaded End of the Connecting Rod. IT CAN NEVER PULL OUT! *Standard 8" Rod Length Accommodates Wide Blades. Special 6" Rod Length Available for Narrow Blades*
- USED WITH PARA-LINK (HI) BRACKET FOR ALL OPPOSED ACTION DAMPERS
- Uses One High and One Low Bracket
- Self-Adjusting
- Heavy Duty "Low" Steel Stamping Has "Clipped" Forward Edge to Clear Opposing Blade When Necessary
- Narrower "Low" Bracket Offers Same Lateral Play as Other Hardware Models and Features Less Air Resistance
- Connecting Link Rod (1/4" Diameter) Is Threaded into Its Brass Pivot and Can Never Pull Out
- Same Compression Ring/Locknut Principle Guarantees Easy Adjustment and Firm Clamping of Rod to the High Bracket



Also Available in Stainless Steel



Part #	Product Description	Qty.
308071	PIVOT BRKT LOW 1/4" TAP & SET SCREW (LBP-14)	100/Case

MULTI-BLADE DAMPER HARDWARE

Hardcast Hardware

BRONZE FLANGED BUSHING

Made to Oilite self-lubricated specifications with high temperature oil. Bronze Flange Bushing are made to press fit into $\frac{5}{8}$ " drilled or punched hole.



Part#	Product Description	Qty.
307934	FLANGED BSNG BRONZE 1/2" OIL IMPREG (DKP-5)	100/Case



Part#	Product Description	Qty.
307950	FLANGED BSNG NYLON 1/2" (DKP-5D)	50/Case



Part#	Product Description	Qty.
307952	FLANGED BSNG SSTL 1/2" (DKP-5-SS)	50/Case

STRAP & SET SCREW

Socket Head & Square Head

These often taken-for-granted parts are precision stamped from 10 gauge cold-rolled steel and are tapped $\frac{1}{4}$ -28 to a Class 2 fit. Set screw features a square head (socket head optional) cup point which is hardened and zinc-plated. Gone are the sloppy, wobbly fits of the past.



Part#	Product Description	Qty.
307930	STRAP & SET SCREW SQUARE HEAD (DKP-13)	100/Case



Part#	Product Description	Qty.
307954	STRAP & SET SCREW HEX SOCKET (DKP-13H)	100/Case

MULTI-BLADE DAMPER HARDWARE

Hardcast Hardware

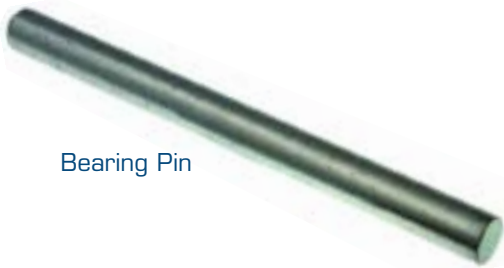
BEARING PINS

Cut from C-1012/1018 bright drawn steel wire, zinc plated.

Part#	Product Description	Qty.
307932	BRNG PIN 1/2" X 2 1/2" (DKP-50)	100/Case



Bearing Pin



Bearing Pin

Part#	Product Description	Qty.
307955	BRNG PIN 1/2" X 6" (DKP-506)	50/Case



Adaptor Bearing Pin

1/2" round-to-1/2" square x 6" long, zinc plated steel, used for control arms.

Part#	Product Description	Qty.
307957	ADAPTOR BRNG PIN 1/2" X 6" SQ to RD (DKP-506A)	50/Case



Slide Bearing Pin

Part#	Product Description	Qty.
307959	SLIDE BRNG PIN 1/2" - 7/16" (ZSP-50)	50/Case

BLADE END

Part#	Product Description	Qty.
307960	BLADE END 2" X 100' (DBE-2)	1/Case



DAMPER REGULATORS-RESIDENTIAL

Hardcast Hardware

KWIKI™

Sets – Up to 10" x 10" Damper

Our Kwiki line of bright, zinc-plated residential regulators are designed to allow easy installation onto any factory-made residential quality damper blade. The spring in the spring-loaded bearing will never bind or interfere with the blade. Both our KB-1 (Spring Loaded Bearing) and our KM-1T (Threaded End Bearing) will perforate the metal with ease every time. Our special handle can also be used on both ends simply by flipping it from one end to the other. Both ends are available with steel back-up washers and gaskets to resist leakage.



Part #	Product Description	Qty
307963	KWIKI RGLTR (KH-1)	100/Case containing 10 Sets of 10
Includes:		
Kwiki Regulator	KWIKI RETRACTING BRNG 100	
	KWIKI HNDL 100	
	KWIKI WINGNUT 100	
	KWIKI WSHR STEEL 100	
	KWIKI GSKT ECONOMY BRNG 100	



Part #	Product Description	Qty
307961	KWIKI SET (KHS-1)	100/Case containing 10 Sets of 10
Set Includes:		
	KWIKI RGLTR (KH-1)	
	KWIKI RETRACTING BRNG 100 (KB-1)	



Part #	Product Description	Qty
307962	KWIKI SET ECONOMY (KHSB-1)	100/Case containing 10 Sets of 10
Set Includes:		
	KWIKI RGLTR (KH-1)	
	KWIKI ECONOMY BRNG 100 (KM-1)	

HVAC Hardware • HARDCAST Performance

Carlisle Coatings and Waterproofing, Incorporated • 900 Hensley Lane • Wylie, TX 75098 • 800-527-7092 • www.hardcast.com

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DAMPER REGULATORS-RESIDENTIAL

Hardcast Hardware

KWIKI™

Parts – Up to 10" x 10" Damper



Part#	Product Description	Qty.
307964	KWIKI RETRACTING BRNG 100 (KB-100)	100/Case
307965	KWIKI RETRACTING BRNG 1,000 (KB-1T)	1,000/Case



Part#	Product Description	Qty.
307966	KWIKI ECONOMY BRNG THD 100 (KM-100)	100/Case
307967	KWIKI ECONOMY BRNG THD 1000 (KM-1T)	1,000/Case



Part#	Product Description	Qty.
307968	KWIKI HNDL 100 (3011-100)	100/Case
307969	KWIKI HNDL 1,000 (3011-1T)	1,000/Case



Part#	Product Description	Qty.
307970	KWIKI WINGNUT 100 (3013-100)	100/Case
307971	KWIKI WINGNUT 1,000 (3013-1T)	1,000/Case



Part#	Product Description	Qty.
307973	KWIKI WSHR STEEL ECONOMY BRNG 1,000 (3015-1T)	1,000/Case



Part#	Product Description	Qty.
307974	KWIKI WSHR STEEL 100 (3012-100)	100/Case
307975	KWIKI WSHR STEEL 1,000 (3012-1T)	1,000/Case



Part#	Product Description	Qty.
307977	KWIKI GSKT ECONOMY BRNG 1,000 (3016-1T)	1,000/Case



Part#	Product Description	Qty.
307979	KWIKI GSKT RETRACTING BRNG 1,000 (3014-1T)	1,000/Case

DAMPER REGULATORS-RESIDENTIAL

Hardcast Hardware

MINI DIAL™

Sets – Up to 10" x 10" Damper

Our MINI DIAL regulators have unique features and are robust enough to handle both residential and light commercial applications. The Mini Dial includes a forged high quality wing nut.

The Mini Dial is available in 1/4" with interior and exterior steel washers and gasket. Also available for non-insulated and insulated applications.



NON-INSULATED Duct Applications

Part #	Product Description	Qty
307981	MINI DIAL SET (MS-1)	100 Sets/Case
Set Includes:	MINI DIAL RGLTR 1/4" SPRING SLIDE BRNG 1/4"	



INSULATED Duct Applications

Part #	Product Description	Qty
307982	MINI DIAL SET LONG (MS-1L)	100 Sets/Case
Set Includes:	MINI DIAL RGLTR 1/4" SPRING SLIDE BRNG LONG 1/4"	

DAMPER REGULATORS-RESIDENTIAL

Hardcast Hardware

MINI DIAL

Parts – Up to 10" x 10" Damper



NON-INSULATED Duct Applications

Part#	Product Description	Qty.
307983	MINI DIAL RGLTR 1/4" (MB-14)	100/Case



INSULATED Duct Applications

Part#	Product Description	Qty.
307984	MINI DIAL RGLTR LONG 1/4" (MB-14L)	100/Case



NON-INSULATED Duct Applications

Part#	Product Description	Qty.
307985	SPRING SLIDE BRNG 1/4" (DP-25)	100/Case



INSULATED Duct Applications

Part#	Product Description	Qty.
307986	SPRING SLIDE BRNG LONG 1/4" (DPL-25)	100/Case

DAMPER REGULATORS-COMMERCIAL

Hardcast Hardware

DIAL-A-MATIC™

1/4" Dial Regulator Sets – Up to 10" x 10" Dampers

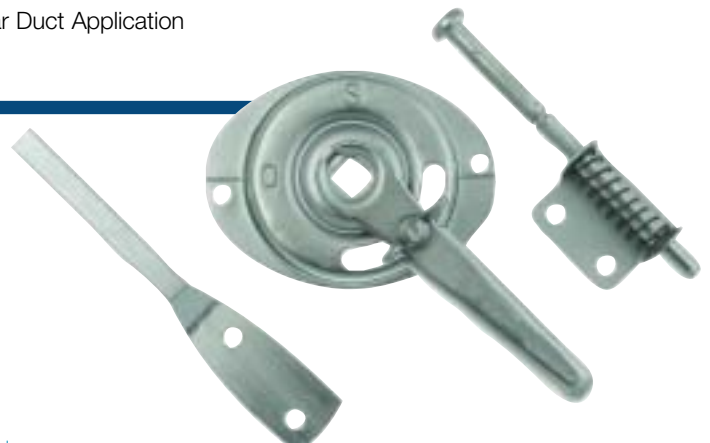
NON-INSULATED Duct Applications

Part #	Product Description	Qty
308003	DIAL-A-MATIC SET 1/4" (DRS-25)	100 Sets/Case
Set Includes:		
DIAL-A-MATIC DIAL 1/4"		
SQUARE END BRNG 1/4"		
SPRING SLIDE BRNG 1/4"		



Dial Regulators

- Heavy Gauge Dial and Handle
- 1/4" & 3/8" Dial for Round or Rectangular Duct Application
- Available in Stainless Steel



INSULATED Duct Applications

Part #	Product Description	Qty
308004	DIAL-A-MATIC SET LONG 1/4" (DRS-25L)	100 Sets/Case
Set Includes:		
DIAL-A-MATIC DIAL 1/4"		
SPRING SLIDE BRNG LONG 1/4"		
SQUARE END BRNG LONG 1/4"		

DAMPER REGULATORS-COMMERCIAL

Hardcast Hardware

DIAL-A-MATIC™

3/8" Dial Regulator Sets – Up to 20" x 20" Dampers



NON-INSULATED Duct Applications

Part #	Product Description	Qty
308005	DIAL-A-MATIC SET 3/8" (DRS-38)	100 Sets/Case
Set Includes:	DIAL-A-MATIC DIAL 3/8" SQUARE END BRNG 3/8" SPRING SLIDE BRNG 3/8"	



INSULATED Duct Applications

Part #	Product Description	Qty
308006	DIAL-A-MATIC SET LONG 3/8" (DRS-38L)	100 Sets/Case
Set Includes:	DIAL-A-MATIC DIAL 3/8" SPRING SLIDE BRNG 3/8" SQUARE END BRNG LONG 3/8"	

Dial Regulators

- Heavy Gauge Dial and Handle
- 1/4" and 3/8" Dial for Round or Rectangular Duct Application
- Available in Stainless Steel



Part #	Product Description	Qty
305522	LARGE DIAL-A-MATIC SET 3/8" (LDRS-38)	100 Sets/Case
Set Includes:	DIAL-A-MATIC DIAL 3/8" SQUARE END BRNG 3/8" SPRING SLIDE BRNG 3/8"	

DAMPER REGULATORS-COMMERCIAL

Hardcast Hardware

STAINLESS STEEL DIAL-A-MATIC™ SETS

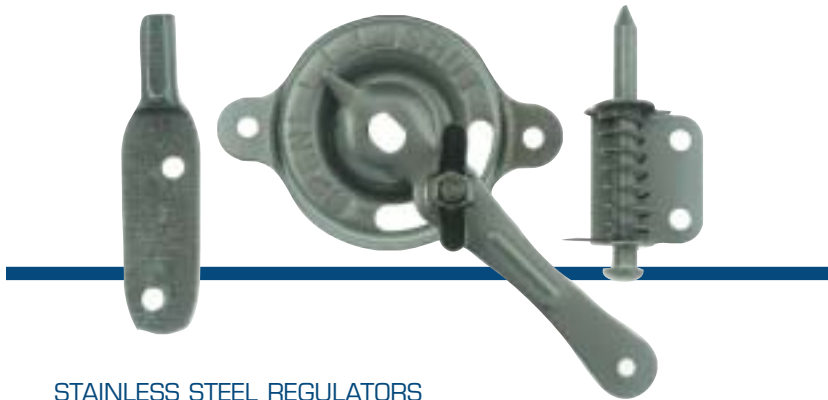
1/4" Dial Regulator Set – Up to 10" x 10" Dampers

3/8" Dial Regulator Set – Up to 20" x 20" Dampers

INSULATED Duct Applications



Part #	Product Description	Qty
305473	DIAL-A-MATIC SET SSTL 1/4" (DRSS-25)	100 Sets/Case
Set Includes:	DIAL-A-MATIC DIAL 1/4" SQUARE END BRNG 1/4" SPRING SLIDE BRNG 1/4"	



STAINLESS STEEL REGULATORS

- Available Only in Sets (Regulator Sq. End Bearing and Spring Slide Bearing)
- Packages of 100 Pcs. Per Box
- Made with Stainless 304
- Excellent Corrosion Resistance



Part #	Product Description	Qty
305474	DIAL-A-MATIC SET SSTL 3/8" (DRSS-38)	100 Sets/Case
Set Includes:	DIAL-A-MATIC DIAL 3/8" SPRING SLIDE BRNG 3/8" SQUARE END BRNG LONG 3/8"	

DAMPER REGULATORS-COMMERCIAL

Hardcast Hardware

DIAL-A-MATIC™

1/4" Dial Regulators – Up to 10" x 10" Damper

3/8" Dial Regulators – Up to 20" x 20" Damper



Part#	Product Description	Qty.
308007	DIAL-A-MATIC DIAL 1/4" (D-25)	100/Case

- 1/4" Dial, Used for Light Commercial and Residential Applications, with Reinforced Handle
- 18 Gauge Steel Frame—2 Gauges Heavier Than the Competition
- Off-set Mounting Holes Allow for Full Open Position
- Formed 16 Gauge Steel Handle Clearly Shows Damper Position
- Locks Securely
- Zinc-Plated
- Optional Leak-Resistant Washer Set Available—308062 (LRK-25)



**18 Gauge
Steel Frames**



- Clamping Action with Single Shear Feature for Rattle Free Operation
- Heavy Stamped Handle—13 Gauge Steel Prevents "Roundout" Wear
- Dial Stamping—18 Gauge Steel
- Use on Round or Rectangular Duct
- Washer/Lockwasher Combination Locks Handle Firmly Against Dial
- Zinc-Plated
- Optional Backup Washers Available for Leak Resistance—308055 (LRK-38)

Part#	Product Description	Qty.
308009	DIAL-A-MATIC DIAL 3/8" (D-38)	100/Case

Part#	Product Description	Qty.
305366	LARGE DIAL-A-MATIC DIAL 3/8" (LDR-38)	100/Case



DAMPER REGULATORS-COMMERCIAL

Hardcast Hardware

DIAL-A-MATIC™

End Bearings and Spring Slide Bearings



Part#	Product Description	Qty.
307991	SQUARE END BRNG 1/4" (DP-25S)	100/Case



Part#	Product Description	Qty.
308013	SQUARE END BRNG 3/8" (DP-38S)	100/Case



Part#	Product Description	Qty.
308011	ROUND END BRNG 1/4" (DP-25R)	100/Case



Part#	Product Description	Qty.
307992	SQUARE END BRNG LONG 1/4" (DP-25L)	100/Case



Part#	Product Description	Qty.
308015	SQUARE END BRNG LONG 3/8" (DP-38L)	100/Case



Part#	Product Description	Qty.
307985	SPRING SLIDE BRNG 1/4" (DP-25)	100/Case



Part#	Product Description	Qty.
308017	SPRING SLIDE BRNG 3/8" (DP-38)	100/Case



Part#	Product Description	Qty.
307986	SPRING SLIDE BRNG LONG 1/4" (DPL-25)	100/Case

DAMPER REGULATORS-COMMERCIAL

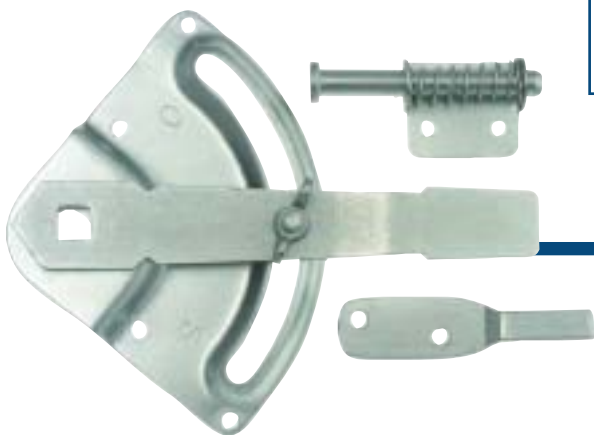
Hardcast Hardware

DYN-A-QUADS™

$\frac{3}{8}$ " Single Shear Quadrant Regulator Set – Up to 20" x 20" Damper

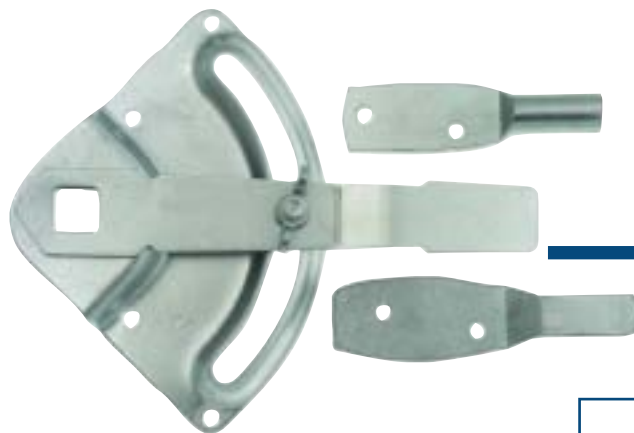
$\frac{1}{2}$ " Single Shear Quadrant Regulator Set – Up to 30" x 30" Damper

Part #	Product Description	Qty
308027	DYN-A-QUAD SNGL SHEAR SET $\frac{3}{8}$ " (DQS-385)	50 Sets/Case
Set Includes:	DYN-A-QUAD SNGL SHEAR $\frac{3}{8}$ " SQUARE END BRNG $\frac{3}{8}$ " SPRING SLIDE BRNG $\frac{3}{8}$ "	



A New Family of Quadrant Regulators

- Heavier 12 Gauge Off-set Handle Holds the Square Bearing Pin Firm with No Chance for "Roundout" Wear
- Clamping Action Single Shear™ Minimizes Rattle
- Off-set Mounting Holes Allow Full Operation of All Fastening Methods
- Optional Leak Resistant Set Makes Quadrant Virtually Leakproof:
308025 (LRP-38) $\frac{3}{8}$ ", 308058 (LRP-50) $\frac{1}{2}$ "
- Off Set Handle Firmly Clamps Square End Bearing in "Single Shear", Securing It Against the Quadrant Frame
- Provides Rattle Free Performance and Impressive Holding Power at a Very Reasonable Cost
- For $\frac{1}{2}$ " and $\frac{3}{8}$ " Square Bearing



Part #	Product Description	Qty
308024	DYN-A-QUAD SNGL SHEAR SET $\frac{1}{2}$ " (DQS-12)	50 Sets/Case
Set Includes:	DYN-A-QUAD SNGL SHEAR $\frac{1}{2}$ " SQUARE BRNG $\frac{1}{2}$ " ROUND BRNG $\frac{1}{2}$ "	

DAMPER REGULATORS-COMMERCIAL

Hardcast Hardware

DYN-A-QUADS™

$\frac{3}{8}$ " Double Shear Quadrant Regulator Set – Up to 20" x 20" Damper

Reverse U-Bend



Reverse U-Bend Detail

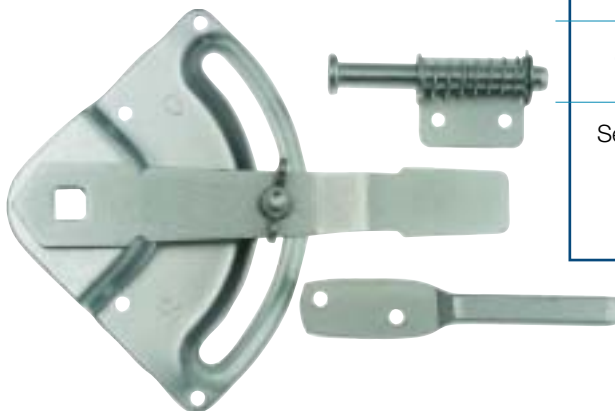
Part #	Product Description	Qty
308030	DYN-A-QUAD DUBL SHEAR SET 3/8" (DQS-385DS)	50 Sets/Case
Set Includes:	DYN-A-QUAD QUADRAMATIC DBL SHEAR 3/8" SQUARE END BRNG 3/8" SPRING SLIDE BRNG 3/8"	

A New Family of Quadrant Regulators

- Heavy 12 Gauge Handle with Reverse U-Bend Firmly Clamps the Square Bearing Pin Front and Back, Securing It Against the Quadrant Frame
- Provides Rattle Free Performance
- Unique Design
- Excellent Value

DYN-A-QUADS™

$\frac{3}{8}$ " Single Shear Quadrant Regulator Set Long



Part #	Product Description	Qty
308287	DYN-A-QUAD SING SHEAR SET LONG 3/8" (DQS-385L)	50 Sets/Case
Set Includes:	DYN-A-QUAD QUADRAMATIC SING SHEAR 3/8" SQUARE END BRNG LONG 3/8" SPRING SLIDE BRNG 3/8"	

DAMPER REGULATORS-COMMERCIAL

Hardcast Hardware

DYN-A-QUADS

End Bearings and Spring Slide Bearings



Part#	Product Description	Qty.
308037	SQUARE END BRNG THREADED 1/4" (DP-25T)	100/Case



Part#	Product Description	Qty.
308038	SQUARE END BRNG THREADED LONG 1/4" (DP-25TL)	100/Case



Part#	Product Description	Qty.
308021	ROUND END BRNG 3/8" (DP-38R)	100/Case



Part#	Product Description	Qty.
308019	ROUND END BRNG LONG 3/8" (DP-38RL)	100/Case



Part#	Product Description	Qty.
308033	SQUARE END BRNG 1/2" (DP-50S)	100/Case



Part#	Product Description	Qty.
308017	SPRING SLIDE BRNG 3/8" (DP-38)	100/Case



Part#	Product Description	Qty.
308035	ROUND END BRNG 1/2" (DP-50R)	100/Case



Part#	Product Description	Qty.
308039	ROUND END BRNG LONG 1/2" (DP-50RL)	100/Case

DAMPER REGULATORS-COMMERCIAL

Hardcast Hardware

DYN-A-QUADS™

$\frac{3}{8}$ " Single Shear Quadrant Regulator – Up to 20" x 20" Damper

$\frac{1}{2}$ " Single Shear Quadrant Regulator – Up to 30" x 30" Damper

Dyn-A-Quad™ Single Shear



A New Family of Quadrant Regulators

- Heavier 12 Gauge Off-set Handle Holds the Square Bearing Pin Firm with No Chance for "Roundout" Wear
- Clamping Action Single Shear™ Minimizes Rattle
- Off-set Mounting Holes Allow Full Operation of All Fastening Methods
- Optional Leak Resistant Set Makes Quadrant Virtually Leakproof:
308025 (LRP-38) $\frac{3}{8}$ ", 308058 (LRP-50) $\frac{1}{2}$ "
- Off Set Handle Firmly Clamps Square End Bearing in "Single Shear", Securing It Against the Quadrant Frame
- Provides Rattle Free Performance and Impressive Holding Power at a Very Reasonable Cost
- For $\frac{1}{2}$ " and $\frac{3}{8}$ " Square Bearing

Part#	Product Description	Qty.
308028	DYN-A-QUAD SNGL SHEAR $\frac{3}{8}$ " (Q-38)	100/Case
308025	DYN-A-QUAD SNGL SHEAR $\frac{1}{2}$ " (Q-50)	100/Case

DAMPER REGULATORS-COMMERCIAL

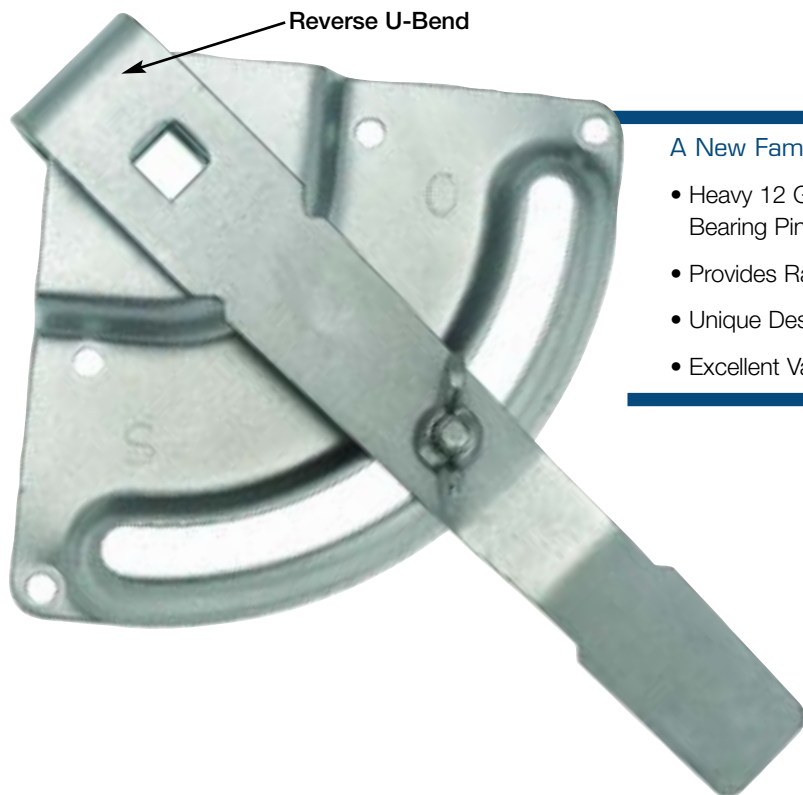
Hardcast Hardware

DYN-A-QUADS™

$\frac{3}{8}$ " Double Shear Quadrant Regulator – Up to 20" x 20" Damper

$\frac{1}{2}$ " Double Shear Quadrant Regulator – Up to 30" x 30" Damper

Dyn-A-Quad™ Double Shear



A New Family of Quadrant Regulators

- Heavy 12 Gauge Handle with "U" Bend Firmly Clamps the Square Bearing Pin Front and Back, Securing It Against the Quadrant Frame
- Provides Rattle Free Performance
- Unique Design
- Excellent Value



Part#	Product Description	Qty.
308031	DYN-A-QUAD QUADRAMATIC DBL SHEAR 3/8" (QDS-38)	100/Case
308041	DYN-A-QUAD QUADRAMATIC DBL SHEAR 1/2" (QDS-50)	50/Case



Reverse U-Bend Detail

DAMPER REGULATORS-COMMERCIAL

Hardcast Hardware

DYN•A•QUADS™

3/8" CLAMPMATIC™ – Up to 20" x 20" Damper

1/2" CLAMPMATIC™ – Up to 30" x 30" Damper

CLAMPMATIC™



CLAMPMATIC Quadrant: A New Family of Quadrant Regulators

- Slotted 12 Gauge Steel Handle with Offset
- Bolt/Nut Squeezes Bearing Pin Firmly
- Backup Neoprene Gasket Included
- Firmly Clamps Round and Square Bearings
- The Squeezing Clamping Action of the Reverse Bend Handle, Fitted with Bolt and Nut, Assures Non-slippage
- Leak Resistant Set Available

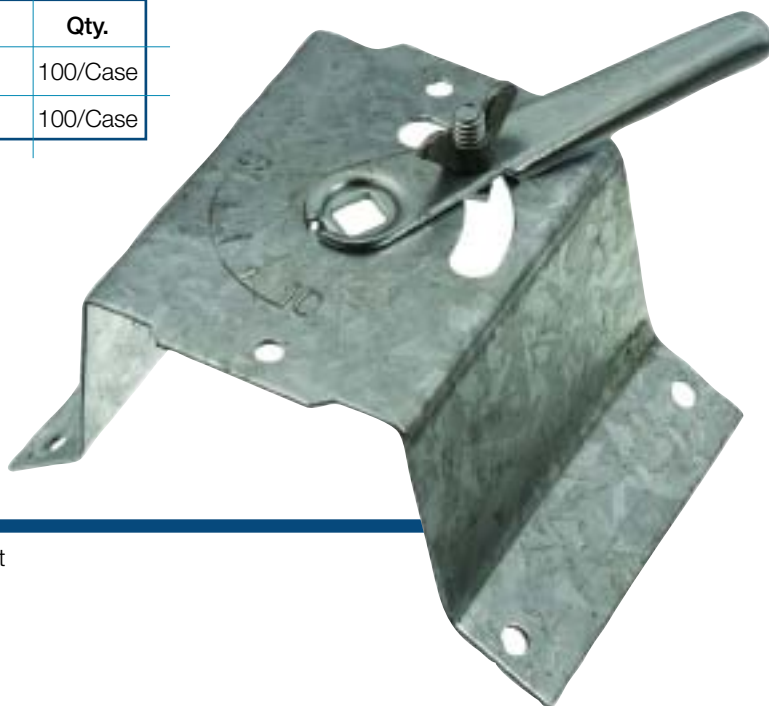
Part#	Product Description	Qty.
308042	DYN-A-QUAD CLAMPMATIC ROUND 3/8" (QC-38R)	50/Case
308044	DYN-A-QUAD CLAMPMATIC SQUARE 1/2" (QC-50S)	50/Case
308043	DYN-A-QUAD CLAMPMATIC ROUND 1/2" (QC-50R)	50/Case

STAND OFF REGULATORS

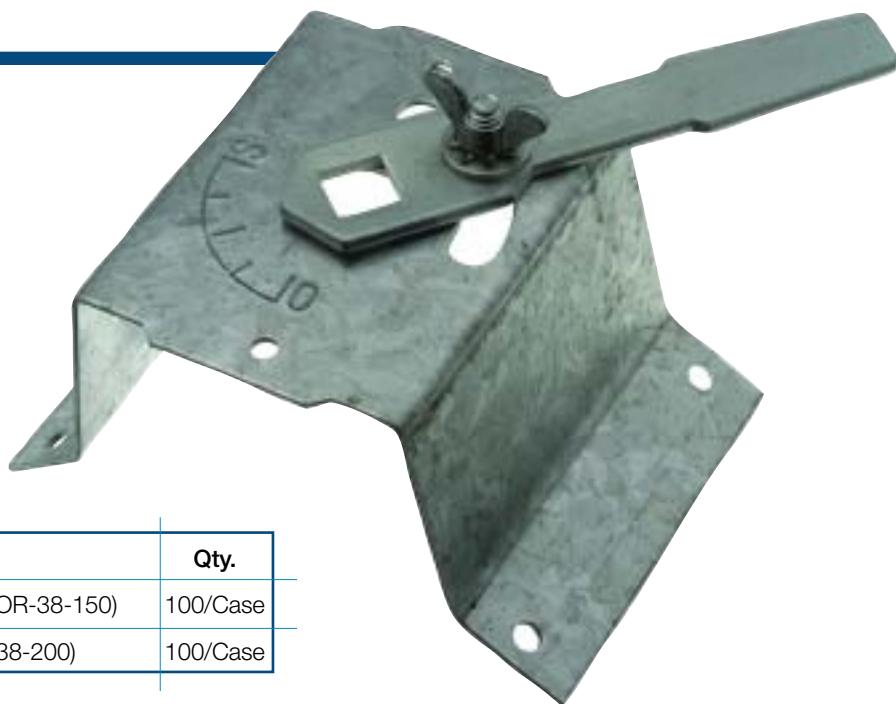
Hardcast Hardware

STAND OFF REGULATOR

Part#	Product Description	Qty.
305513	STAND OFF RGLTR 1/4" X 1 1/2" (SOR-25-150)	100/Case
305514	STAND OFF RGLTR 1/4" X 2" (SOR-25-200)	100/Case



- Provide Necessary Clearance on Externally Insulated Duct
- Reinforced 12 Gauge Off Set Handle
- Precision Stamping
- Leak Resistant Set Available
- For Use with Square End Bearing Long 1/4"
- Embossed Guide for Accurate Handle Position
- 1 1/2" and 2" Insulation



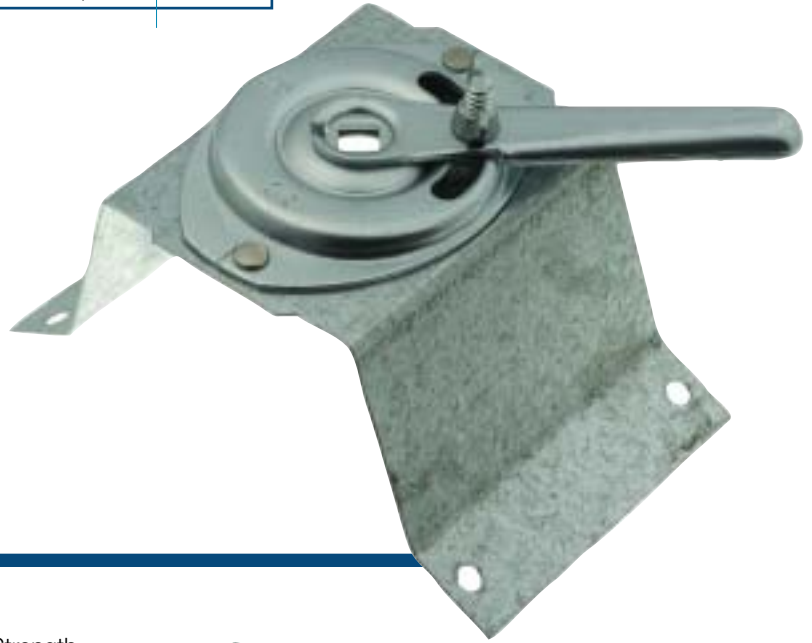
Part#	Product Description	Qty.
305515	STAND OFF RGLTR 3/8" X 1 1/2" (SOR-38-150)	100/Case
305516	STAND OFF RGLTR 3/8" X 2" (SOR-38-200)	100/Case

STAND OFF REGULATORS

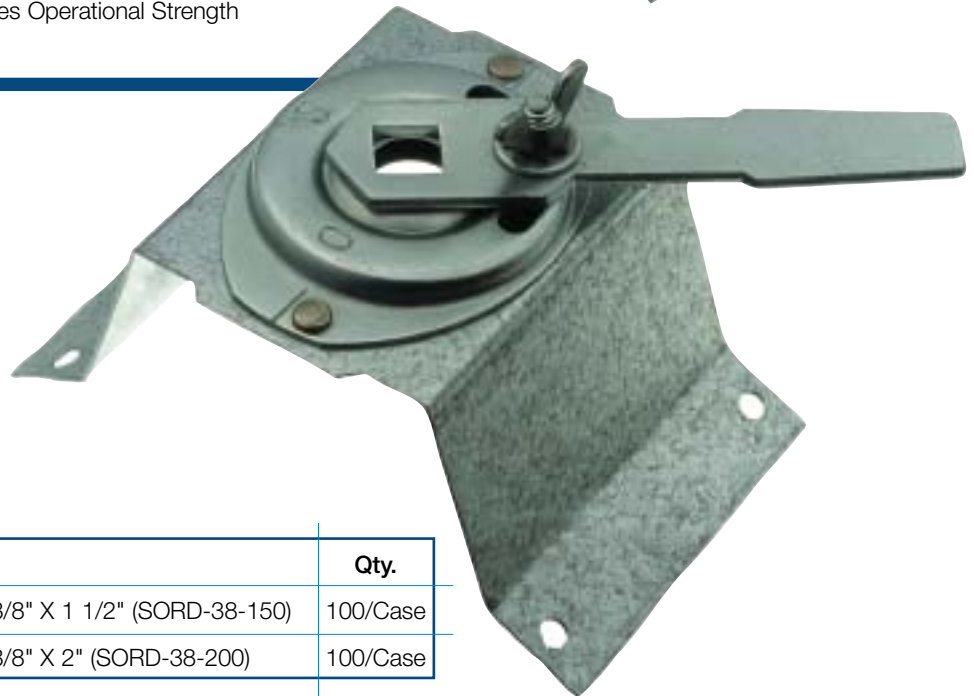
Hardcast Hardware

STAND OFF REGULATOR WITH DIAL

Part#	Product Description	Qty.
305517	STAND OFF RGLTR W/ DIAL 1/4" X 1 1/2" (SORD-25-150)	100/Case
305518	STAND OFF RGLTR W/ DIAL 1/4" X 2" (SORD-25-200)	100/Case



- For Use with Square End Bearing Long 3/8"
- DIAL-A-MATIC, Reinforced Dial Provides Operational Strength
- 1 1/2" and 2" Insulation



Part#	Product Description	Qty.
305519	STAND OFF RGLTR W/ DIAL 3/8" X 1 1/2" (SORD-38-150)	100/Case
305520	STAND OFF RGLTR W/ DIAL 3/8" X 2" (SORD-38-200)	100/Case

END BEARING HOUSING & LEAK RESISTANT SETS

Hardcast Hardware

LEAK RESISTANT SETS

For Use with Square and Round Bearings



Eliminating Leaks,
Smudging, Noise

Part #	Product Description	Qty
308048	LEAK RESISTANT SET SQUARE 1/4" (LRK-25)	25 Sets/Case
Set Includes:	END BRNG HOUSING 1/4" NEO & STEEL SQUARE WSHR 1/4"	



Part #	Product Description	Qty
308055	LEAK RESISTANT SET SQUARE 3/8" (LRK-38)	25 Sets/Case
Set Includes:	END BRNG HOUSING 3/8" NEO & STEEL SQUARE WSHR 3/8"	



Part #	Product Description	Qty
308062	LEAK RESISTANT SET SQUARE 1/2" (LRK-50)	25 Sets/Case
Set Includes:	END BRNG HOUSING 1/2" NEO & STEEL SQUARE WSHR 1/2"	



Part #	Product Description	Qty
308063	LEAK RESISTANT SET ROUND 3/8" (LRK-38R)	25 Sets/Case
Set Includes:	END BRNG HOUSING 3/8" NEO & STEEL ROUND WSHR 3/8"	



Part #	Product Description	Qty
308066	LEAK RESISTANT SET ROUND 1/2" (LRK-50R)	25 Sets/Case
Set Includes:	END BRNG HOUSING 1/2" NEO & STEEL ROUND WSHR 1/2"	



END BEARING HOUSING & LEAK RESISTANT SETS

Hardcast Hardware

END BEARING HOUSINGS

For Use with Resistant Dial and Quadrant Regulators

Hardcast now offers economical End Bearing Housings and Leak Resistant Sets for use with 1/4", 3/8", and 1/2" dial, quadrant, and regulators. Each End Bearing Housing comes complete with nylon housing, gasket and steel washer to accept round end bearings.



Part#	Product Description	Qty.
308051	END BRNG HOUSING 1/4" (EBH-25)	25/Case



Part#	Product Description	Qty.
308056	END BRNG HOUSING 3/8" (EBH-38)	25/Case



Part#	Product Description	Qty.
308060	END BRNG HOUSING 1/2" (EBH-50)	25/Case

LEAK RESISTANT PARTS

Regulator Bearing Seals



Part#	Product Description	Qty.
308049	NEO & STEEL SQUARE WSHR 1/4" (LRP-25)	25/Case
308053	NEO & STEEL SQUARE WSHR 3/8" (LRP-38)	25/Case
308058	NEO & STEEL SQUARE WSHR 1/2" (LRP-50)	25/Case



Part#	Product Description	Qty.
308064	NEO & STEEL ROUND WSHR 3/8" (LRP-38R)	25/Case
308067	NEO & STEEL ROUND WSHR 1/2" (LRP-50R)	25/Case

DAMPER ACCESSORIES

Hardcast Hardware

BALL JOINT

For Use with Splitter Damper Brackets

An economical zinc alloy die cast fitting, which firmly clamps the control rod from a splitter damper bracket as it extends through the duct. Comes completely assembled with set screw, neoprene back-up gasket and nylon cup washer which holds the ball firmly against the duct, preventing rattles.

Part#	Product Description	Qty.
308069	BALL JOINT 1/4" W/ GSKT & WSHR (BJ-14)	100/Case



- Zinc Alloy Casting
- Rattle Free Operation
- Neoprene Gasket Minimizes Leakage
- Inexpensive and Convenient to Use
- Comes Completely Assembled
- Rattle Free, Leak Resistant Ball Joint Fitting for Splitter Dampers and Other Applications:
 - Features Nylon-tapered Washer and Neoprene Washer, Eliminating Rattles



**Completely
Assembled**

Neoprene Back-up Gasket



Nylon Cup Washer



SPLITTER DAMPER BRACKET

For Use with Ball Joints

Splitter Damper Bracket consists of a 16 gauge zinc-plated stamping, brass pivot, stainless steel spring, steel "Slider" and a compression ring/locknut assembly. This assembly firmly clamps the control rod in position. Slider allows for self-alignment with the ball joint. Also available with tapped brass pivot and set screw.



Part#	Product Description	Qty.
308070	SPLITTER BRKT 1/4" (SB14)	25/Case



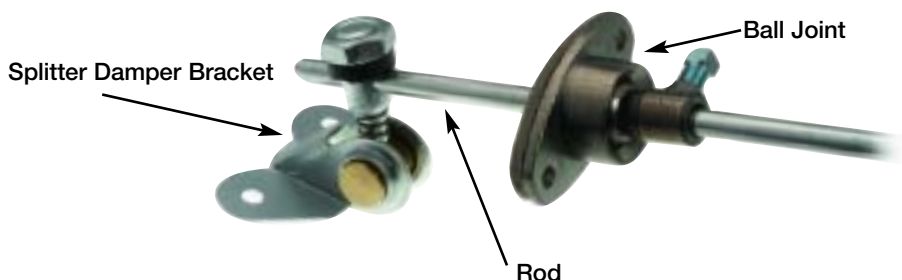
**Completely Adjustable
& Locks Securely**

The Low Bracket Pivot assembly consist of bracket pivot, set screw and 16 gauge zinc plated stamping. Also available with tapped brass pivot and set screw.

Part#	Product Description	Qty.
308071	PIVOT BRKT LOW 1/4" TAP & SET SCREW (LBP-14)	25/Case



Complete Splitter Damper Assembly (parts sold separately)



DAMPER ACCESSORIES

Hardcast Hardware

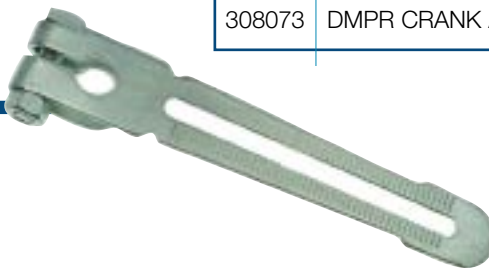
CRANK ARMS

For Use with Ball Swivel

Hardcast Damper Crank Arms are used to connect ball swivels and damper linkage to an actuating motor.

- Used with Motorized Dampers and Zoning Controls
- Heavy Gauge Stamping - Zinc-plated
- Positive Clamping Action
- Used with DCS-313 Ball Swivel
- Serrations Hold Ball Swivel Firmly

Part#	Product Description	Qty.
308072	DMPR CRANK ARM 3/8" (DCA-38)	100/Case
308073	DMPR CRANK ARM 1/2" (DCA-50)	100/Case



Part#	Product Description	Qty.
304411	DMPR CRANK ARM HEX 1/2" (DCA-50 HEX)	100/Case



Part#	Product Description	Qty.
308074	DMPR CRANK ARM SQUARE 1/2" (DCA-50S)	100/Case



Part#	Product Description	Qty.
308077	DMPR CRANK ARM COLLET 1/2" (CDCA-50L)	100/Case



Part#	Product Description	Qty.
308075	DMPR CRANK ARM COLLET SHORT 1/2" (CDCA-50)	100/Case

DAMPER ACCESSORIES

Hardcast Hardware

BALL SWIVEL

For Use with Crank Arms

Hardcast Ball Swivel is used to connect damper crank arms to damper control rods.



- Plated Steel Construction
- Use with 1/4" or 5/16" Control Rods
- Lubricated Ball Cavity
- Unitized Nut/Star Lockwasher
- Dependable Performer

Part#	Product Description	Qty.
308082	BALL SWIVEL FOR CRANK ARM (DCS-313)	25/Case

DAMPER CONTROL RODS



Part#	Product Description	Qty.
304458	DMPR CONTROL ROD 1/4" X 62" (DCR-62)	25/Bundle

INSTRUMENT TEST PORT

for Duct Performance Monitoring

The PTP-1 is an inexpensive Instrument Test Port, consisting of a ZAMAC (zinc) alloy body casting, which is installed over a sponge neoprene gasket. This housing is internally threaded to accept a precision molded high density polyethylene plug, fitted with a neoprene "O" ring, rendering it leak proof.

The plug is red in color making it easy to locate when conducting pressure/velocity tests. It withstands continuous intermittent operating temperatures of 165°F (72°C) and 215°F (100°C). Port cap has exceptional dimensional stability and is impervious to most chemicals and freezing temperatures down to -94°F (-70°C). The housing 3/4" port opening.

Part#	Product Description	Qty.
308081	TEST PORT FITTING (PTP-1)	25/Case



- Economical, Leak Proof Cap
- ZAMAC Alloy Housing
- 3/4" Opening Accepts Pitot or Velometer
- Includes-Sponge Neoprene Gasket and "O" Ring to Eliminate Leakage
- Bright Red Cap Easy to Locate

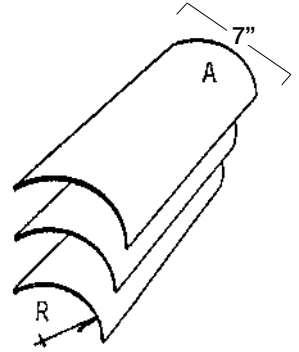
VANE RAIL

Hardcast Hardware

DYN-O-RAIL™
and Patented Vane Setter™



- Sturdy 23 Gauge Steel Embossed-For-Stiffness Design
- Use with Single or Hollow Vanes - Up to 16 Gauge Steel
- Relief Holes in Slots, Support Vanes During Assembly
- Bevel Edges Remain Straight for Better Contact
- Use Patented VANE SETTER™ Tool to Secure Vane to Rail



Part#	Product Description	Qty.
308088	DYN-O-RAIL CML. NOM. 4" X 100' (DR-35)	100 ft./Case

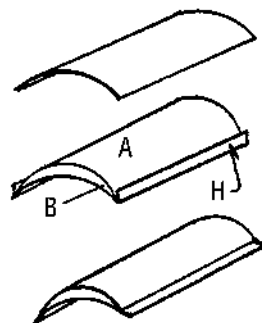
Product Technical Data		
Single Vane	R=4.5"	115mm
	A=7"	178mm
Hollow Vane	A=8"	203mm
	B=8"	203mm
	H=0.5"	13mm

DYN-O-RAIL JR.™
and Patented Vane Setter™



Part#	Product Description	Qty.
308089	DYN-O-RAIL JR RSDL (2) 2 1/4" X 100' (JDR-225)	200 ft./Case

Product Technical Data		
Single Vane	R=2"	50mm
	A=3.5"	89mm
Hollow Vane	A=3.5"	89mm
	B=3.75"	95mm
	H=0.375"	9mm



VANE SETTER™

For Fabricating Turning Vane Assemblies

Once in a while, a solution to a shop problem comes along that is so simple and yet so reliable and labor saving that one can hardly believe it actually works. Hardcast offers the Vane Setting tool, VANE SETTER™, for use with DYN-O-RAIL™ and DYN-O-RAIL Jr.™

Made especially for use with Dyn-O-Rail™ and Dyn-O-Rail Jr.™ the “Vane Setter” will save considerable assembly time and money. It produces perfect, dependable turning vane assemblies. The tool is made to exactly fit the rail depressions, is self-centering and, when activated, splits, bends over and sets the vane in place so that it cannot work loose.

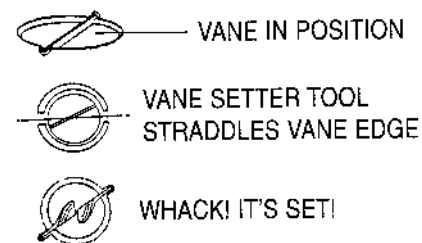
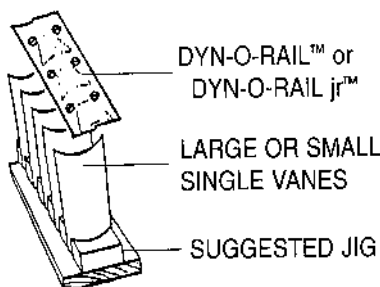
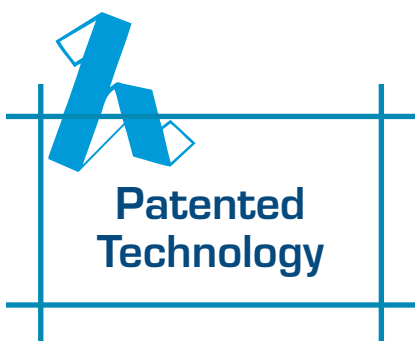
When placed into the vane depression, the Vane Setter™ holds the rail firmly against the vane edge. One sharp hammer blow does it all! It works every time. The Vane Setter™ works equally well on double or hollow vanes!



Vane Setter

- Combination of Vane “Dimple” Configuration and Our Patented Vane Setter Yields the Most Reliable Vane-to-Rail Assembly in the Industry
- Punched Holes at Both Ends of Slot Act as “Claws” to Hold Vane End Secure and Allow Vane Thicknesses Up to #16 Gauge

Part#	Product Description	Qty.
304639	VANE SETTER (VST-1)	1



AIR OPERATED IMPACT VANE SETTER™

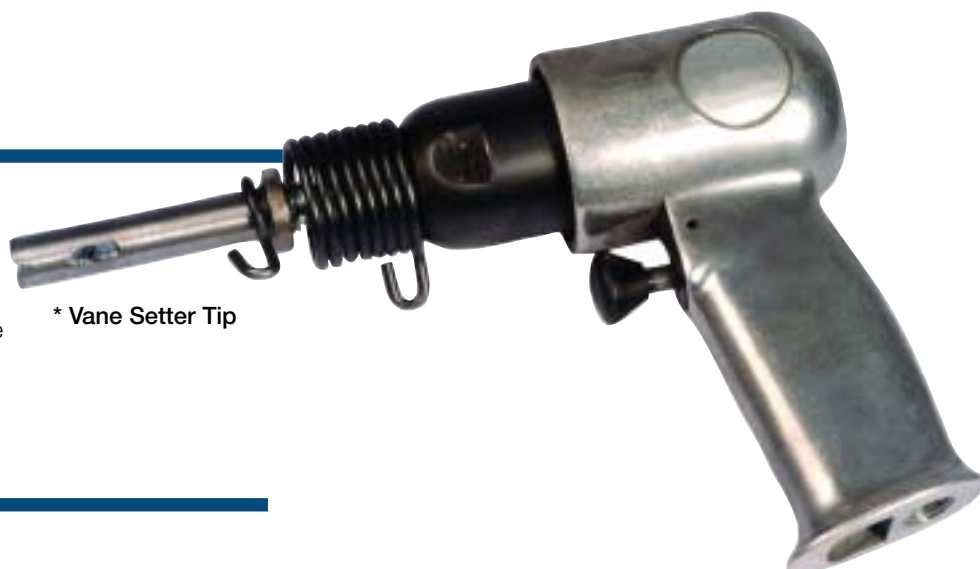
For Use with Dyn-O-Rail™ and Dyn-O-Rail Jr.™

The AVST-2 AIR OPERATED IMPACT VANE SETTER™ is an inexpensive tool, which uses the patented VST-1 Vane setter system, but goes one step further.

This medium duty air tool simplifies and speeds up fabrication of air turning vane assemblies. It can be used to set both single and hollow vanes.

The AVST-2 is designed to be used with DYN-O-RAIL™ and DYN-O-RAIL Jr.™, and may not perform satisfactorily with other rails.

The nose of the tool fits exactly into the button depressions of DYN-O-RAIL for which it was made.



* Vane Setter Tip

- One Hand Operation
- Quick and Convenient
- Sets Vanes from 26 - 16 Gauge
- Operates at 40 psi Shop Air Pressure
- For Single and Hollow Vanes
- Self Centers in Vane Buttons
- Produces a Positive Vane Lock

Part#	Product Description	Qty.
308087	IMPACT VANE SETTER AIR OPERATED W/TIP (AVST-2)	1
307291	VANE SETTER TIP (AVS-TIP)*	1

HOLLOW VANE AND PUSH-ON RAIL

For Turning Vane Assemblies

Use Push-On Rail and Hollow Vane for Easy Assembly of Turning Vane Assemblies.



Part#	Product Description	Qty.
308093	HOLLOW VANE 5 1/2" X 8' (V-50)	10/Bundle

Part#	Product Description	Qty.
308091	HOLLOW VANE JR 2 1/2" X 8' (V-25)	10/Bundle

- Vanes Rails Are Made of 24 Gauge Galvanized Steel

Part#	Product Description	Qty.
308097	PUSH ON RAIL 5 1/2" X 8' (R-50)	10/Bundle



Part#	Product Description	Qty.
308095	PUSH ON RAIL JR 2 1/2" X 8' (R-25)	10/Bundle



ACCESS DOOR HARDWARE

Hardcast Hardware

SWIVEL-LOK

- An Economical and Dependable Closure for Smaller Access Doors and Panels
- Heavy Stamped Steel Parts—Zinc Plated
- Riveted Assembly—Large Diameter Rivet
- Mount with $\frac{3}{16}$ " Rivet or #10 Screw



Part#	Product Description	Qty.
308098	SWIVEL-LOK (DSL-1)	50/Case

ACCESS DOOR HANDLE

$\frac{3}{8}$ " Shaft Size

Part#	Product Description	Qty.
308099	ACCESS DOOR HNDL $\frac{3}{8}$ " SHAFT (ADH-38)	25/Case



- Strong Zinc Alloy Casting
- Recommended for Doors Up to 24" x 24"
- Finger Grip Allows for Opening from the Inside
- Accommodates Door/Frame Up to 2" ($1\frac{5}{8}$ " with Collar)
- Steel and Neoprene Washers (2 Each) Provide Airtight Performance

ACCESS DOOR HANDLE

1/2" Shaft

Designed to meet today's needs, Hardcast Handle Set has aesthetically pleasing appearance and is functional in operation.

Part#	Product Description	Qty.
308100	ACCESS DOOR HNDL 1/2" SHAFT (ADH-50)	25/Case



- Will Accommodate Doors Up to 2" Thick
- Set Comes Complete with Two Steel Washers and Two Neoprene Washers for Airtight Installation
- Strong Zinc Alloy Casting
- Recommended for Doors Up to 48" x 48"
- Accommodates Door/Frame Up to 2" (1 5/8" with Collar)
- Steel and Neoprene Washers (2 Each) Provide Airtight Performance

ACCESS DOOR HARDWARE

Hardcast Hardware

ACCESS DOOR HANDLE

Heavy Duty Set

A versatile, industry leading, heavy duty handle set for equipment cabinets with door thicknesses of up to 4 inches.

Part#	Product Description	Qty.
308101	ACCESS DOOR HNDL FOR 2" DOORS (ADH-100-2)	10/Case
308102	ACCESS DOOR HNDL FOR 3" & 4" DOORS (ADH-100-4)	10/Case



HEAVY DUTY

FEATURES

- High Strength ZAMAC 3, Mounting Plate and Door Pull/Stop
- ½" Diameter Cold-Rolled Steel Shaft, Zinc Plated and Fully Secured Handle
- Flat Milled Threaded Shaft with Knurled Set Screw Secures Handle
- Also Available with Square Head Set Screw
- Threaded Shaft Accepts ½" x 13 Threaded Locknut
- Inner Handle Safety Feature
- Leak Resistant Neoprene Washer
- Special Order: Electroless Nickel Plated with Stainless Steel Locknut

KWIK-STIK™ GASKET TAPE

For Access Doors and Dampers



KWIK-STIK is a superior quality, self stick gasket tape material. The Neoprene and Urethane products offered have been on the market for many years and have met the test of time. The adhesives used have been chosen for their dependability, holding power and wide temperature range.

NEOPRENE GASKET

Closed cell, medium density neoprene sponge meets all standards for use on Access Doors in high velocity installations. It can be used on blade edges of multi-blade dampers and similar applications where airtightness and insulation qualities are needed.

Product Technical Data

Operating Temperature Range:

-30° to 200°F (-35° to 94°C)

Self Adhesive, peel-off backing offers high tack adhesion to metal surfaces. Adhesion improves with time. Metal should be clean and free of grease and oils.

Part #	Description	Neoprene Thickness	Width	Length/Rt.	Qty.
304605	GSKT TAPE NEO 1/8" X 1/2" X 50' (KGN-22)	1/8"	1/2"	50'	24/Case
304606	GSKT TAPE NEO 1/8" X 3/4" X 50' (KGN-23)	1/8"	3/4"	50'	16/Case
304607	GSKT TAPE NEO 1/4" X 3/4" X 25' (KGN-43)	1/4"	3/4"	25'	16/Case
304608	GSKT TAPE NEO 3/8" X 3/4" X 20' (KGN-63)	3/8"	3/4"	20'	16/Case

URETHANE GASKET

Polyurethane foam (polyester) is backed with a dependable high tack adhesive with peel-off paper backing. This economical foam tape is a prominent tool known for its lightness, resilience and resistance to oils, moisture and many chemicals encountered in HVAC applications.

Product Technical Data

Operating Temperature Range:

-50° to 180°F (-45° to 82°C)

Part #	Description	Polyurethane Thickness	Width	Length/Rt.	Qty.
304609	GSKT TAPE URETHANE 3/16" X 1/2" X 50' (KGU-38)	3/16"	1/2"	50'	24/Case
304610	GSKT TAPE URETHANE 1/4" X 3/4" X 40' (KGU-43)	1/4"	3/4"	40'	16/Case
304611	GSKT TAPE URETHANE 3/8" X 3/4" X 25' (KGU-63)	3/8"	3/4"	25'	16/Case

INSULATION FASTENERS

Hardcast Hardware

SPOT-ONS™ Pins and Clips

SPOT-ONS and companion clips, sold separately, are a convenient and proven method for fastening insulation blanket or board to sheet metal.

SPOT-ONS are ring shanked pins, made of 14 gauge low carbon steel, annealed and zinc-plated. Apply using any portable or stationary resistance welding unit with hollow magnetic tip.

Available in four lengths, SPOT-ONS can accommodate up to 1/2" - 2-1/2" thick insulation.



Pins

Part#	Product Description	Qty.
308103	SPOT-ONS PINS 3/4" 1,000 (DST-75)	1,000/Case
308105	SPOT-ONS PINS 1 1/4" 1,000 (DST-125)	1,000/Case
308107	SPOT-ONS PINS 2" 1,000 (DST-200)	1,000/Case
308109	SPOT-ONS PINS 2 1/2" 1,000 (DST-250)	1,000/Case
308104	SPOT-ONS PINS 3/4" 5,000 (DSB-75)	5,000/Case
308106	SPOT-ONS PINS 1 1/4" 5,000 (DSB-125)	5,000/Case
308108	SPOT-ONS PINS 2" 5,000 (DSB-200)	5,000/Case
308110	SPOT-ONS PINS 2 1/2" 5,000 (DSB-250)	5,000/Case

The companion CLIPS, sold separately, are easy to install over the pin tip. They will hold any board or blanket insulation in place.



Clips



Pin Shown with Clip

Part#	Product Description	Qty.
308325	SPOT-ONS CLIPS ALL LENGTHS 1,000 (DCT-100)	1,000/Case
308327	SPOT-ONS CLIPS ALL LENGTHS 5,000 (DCB-100)	5,000/Case

INSULATION FASTENERS

Hardcast Hardware

WELD-ONS™ Cup

Hardcast WELD-ONS are manufactured with consistently sharp points to ensure positive contact with sheet metal to which they are to be welded.

Produced from a special carbon alloy steel, the point of the welding pin is hardened in a unique cold form process. This hardens the points giving them a steel temper, which unlike other welding pins, will not blunt or flatten when applied. The sharper point of contact results in a better weld and creates fewer sparks to ignite adhesives or burn substrates.

WELD-ONS are easily applied using any conventional portable or automatic resistance welding unit. Cup style washer is designed to sufficiently depress the insulation surface without tearing it.



**Tracks Smoothly
on Automatic
Pin Spotter**



Weld-Ons (Cup Head)

Part#	Product Description	Qty.	Grip Length
308111	WELD-ONS CUP 1/2" 1,000 (DWT-50)	1,000/Bucket	.500"
308112	WELD-ONS CUP 3/4" 1,000 (DWT-75)	1,000/Bucket	.700"
308113	WELD-ONS CUP 1" 1,000 (DWT-100)	1,000/Bucket	.940"
308114	WELD-ONS CUP 1 1/8" 1,000 (DWT-118)	1,000/Bucket	1.125"
308115	WELD-ONS CUP 1 1/4" 1,000 (DWT-125)	1,000/Bucket	1.25"
308116	WELD-ONS CUP 1 1/2" 1,000 (DWT-150)	1,000/Bucket	1.500"
308119	WELD-ONS CUP 1/2" 5,000 (DWB-50)	5,000/Bucket	.500"
308120	WELD-ONS CUP 3/4" 5,000 (DWB-75)	5,000/Bucket	.700"
308121	WELD-ONS CUP 1" 5,000 (DWB-100)	5,000/Bucket	.940"
308122	WELD-ONS CUP 1 1/8" 4,000 (DWB-118)	4,000/Bucket	1.125"
308123	WELD-ONS CUP 1 1/4" 4,000 (DWB-125)	4,000/Bucket	1.25"
307099	WELD-ONS CUP 1 1/2" 3,000 (DWB-150)	3,000/Bucket	1.500"

INSULATION FASTENERS

Hardcast Hardware

WELD-ONS™

Flat

Hardcast WELD-ONS are manufactured with consistently sharp points to ensure positive contact with sheet metal to which they are to be welded.

Produced from a special carbon alloy steel, the point of the welding pin is hardened in a unique cold form process. This hardens the points giving them a steel temper which, unlike other welding pins, will not blunt or flatten when applied. The sharper point of contact results in a better weld and creates fewer sparks to ignite adhesives or burn substrates.



Weld-Ons (Flat Head)



Part#	Product Description	Qty.	Grip Length
308134	WELD-ONS FLAT 1/2" 1,000 (FWT-50)	1,000/Bucket	.500"
308135	WELD-ONS FLAT 3/4" 1,000 (FWT-75)	1,000/Bucket	.700"
308136	WELD-ONS FLAT 1" 1,000 (FWT-100)	1,000/Bucket	.940"
308137	WELD-ONS FLAT 1 1/8" 1,000 (FWT-118)	1,000/Bucket	1.125"
308138	WELD-ONS FLAT 1 1/4" 1,000 (FWT-125)	1,000/Bucket	1.25"
308139	WELD-ONS FLAT 1 1/2" 1,000 (FWT-150)	1,000/Bucket	1.500"
304972	WELD-ONS FLAT 2" 1,000 (FWT-200)	1,000/Bucket	2.00"
308141	WELD-ONS FLAT 1/2" 5,000 (FWB-50)	5,000/Bucket	.500"
308142	WELD-ONS FLAT 3/4" 5,000 (FWB-75)	5,000/Bucket	.700"
308143	WELD-ONS FLAT 1" 5,000 (FWB-100)	5,000/Bucket	.940"
308144	WELD-ONS FLAT 1 1/8" 4,000 (FWB-118)	4,000/Bucket	1.125"
308145	WELD-ONS FLAT 1 1/4" 4,000 (FWB-125)	4,000/Bucket	1.25"
307097	WELD-ONS FLAT 1 1/2" 3,000 (FWB-150)	3,000/Bucket	1.500"
304973	WELD-ONS FLAT 2" 3,000 (FWB-200)	3,000/Bucket	2.00"

GRIP-ONS

Insulation Fasteners

Grip-On Pins are made with nail tips that have a double claw which grabs more metal. The hardened tip penetrates sheet metal, yet is soft enough to bend at the right moment of impact with an underlying harder surface. The points will not shatter.



- Available in thousand and Bulk Packaging
- Available in Six Different Lengths
- Double Headed Magnetic Hammer Available
- Eye Protection Must Be Worn While Using This Product

Part#	Product Description	Qty.	Grip Length
308239	GRIP-ON'S 1/2" 1,000 (GOT-50)	1,000/Bucket	.500"
308235	GRIP-ON'S 1" LD 1,000 (GOT-100LD)	1,000/Bucket	.650"
308236	GRIP-ON'S 1" MD 1,000 (GOT-100MD)	1,000/Bucket	.750"
308234	GRIP-ON'S 1" HD 1,000 (GOT-100HD)	1,000/Bucket	.900"
308237	GRIP-ON'S 1 1/2" 1,000 (GOT-150)	1,000/Bucket	1.250"
308238	GRIP-ON'S 2" 1,000 (GOT-200)	1,000/Bucket	1.500"
308233	GRIP-ON'S 1/2" 5,000 (GOB-50)	5,000/Bucket	.500"
308229	GRIP-ON'S 1" LD 5,000 (GOB-100LD)	5,000/Bucket	.650"
308230	GRIP-ON'S 1" MD 5,000 (GOB-100MD)	5,000/Bucket	.750"
308228	GRIP-ON'S 1" HD 5,000 (GOB-100HD)	5,000/Bucket	.900"
308231	GRIP-ON'S 1 1/2" 5,000 (GOB-150)	5,000/Bucket	1.250"
308232	GRIP-ON'S 2" 4,000 (GOB-200)	4,000/Bucket	1.500"

INSULATION FASTENERS

Hardcast Hardware

STIK-ONS™

Self Adhering Insulation Fasteners with Clips

STIK-ONS are 14 gauge steel insulation pins which are permanently staked through 2" x 2" galvanized steel base plates. A pressure-sensitive adhesive backing provides a permanent bond between the STIK-ONS and ductwork. Clips included.

STIK-ONS can be used to hold all low and medium density insulation and insulation board where the temperature will not exceed 180°F (82°C.).

APPLICATION

Clean the surface of the duct where contact is to be made, so that it is free of oil, grease, rust, dust, and dirt. Peel off the backing paper and apply firmly to duct. Insulation can be applied immediately. Secure insulation in place using the included companion clips. Bend or cut the unused portion of the pin.



Part#	Product Description	Qty.
308161	STIK-ONS 3/4" 100 (SKC-75)	100/Case
308162	STIK-ONS 1 1/4" 100 (SKC-125)	100/Case
308163	STIK-ONS 1 3/4" 100 (SKC-175)	100/Case
308164	STIK-ONS 2" 100 (SKC-200)	100/Case
308165	STIK-ONS 2 1/2" 100 (SKC-250)	100/Case
308166	STIK-ONS 3/4" 1,000 (SKM-75)	1,000/Case
308167	STIK-ONS 1 1/4" 1,000 (SKM-125)	1,000/Case
308168	STIK-ONS 1 3/4" 1,000 (SKM-175)	1,000/Case
308169	STIK-ONS 2" 1,000 (SKM-200)	1,000/Case
308170	STIK-ONS 2 1/2" 1,000 (SKM-250)	1,000/Case

Product Technical Data

Temperature Range:	-30°F (-35°C) - 180°F (82°C)
Application Temperature:	above 40°F (4°C)
Holding Power:	3 lbs. per unit
Approximate Shelf Life:	2 years @ 70°F (21°C)

PIN WELDER

For Spot-Ons

A reliable, easy to maintain, medium to heavy-duty pin welder.

Part#	Product Description	Qty.
304641	PIN WLDR 115V & CASE (PW-33-1)	1
304642	PIN WLDR 220V & CASE (PW-33-2)	1



Weld Tip Conditioning File Included



- Weld SPOT-ON Pins to Galvanized and Cold Rolled Light Gauge Sheet Metal
- Fitted with Dual Switches Actuated by a Single Trigger Switch and Has a Weld Timer to Assure Consistently Good Welds
- Well Balanced
- One Hand Operation,
- Can Be Hung From a Retractable Overhead Cable Reel
- Available in Two Models, PW-33-1 (115v) and PW-33-2 (230v), Application Rate Up to 8 Per Minute on 19-22 Gauge and Up to 12 Per Minute on 24 Gauge and Lighter
- Fuse 30 Amps for 115v. Machine, 20 Amps for 230v. Machine

INSULATION FASTENERS

Hardcast Hardware

PIN WELDER

for Weld-Ons

For Fastening Weld-Ons to Sheet Metal

Part#	Product Description	Qty.
304644	PIN WLDR SOLID STATE RESISTANCE WLDR (DDP-150)	1



- Solid State Timer and Weld Relay
- Heavy Duty Transformer Unit
- Rugged 16 Gauge Case
- Weld On Lamp
- Super Lightweight Gun 1.6 pounds
- Heavy Duty Copper Ground Clamp
- Permanently Connected Cables
- Operates at 208-240v., 30 amps.

POWER PACK WITH TIMER:	Construction:	16 ga. (1.52mm) Fabricated Steel Chassis
	Dimensions:	16" (406.4mm) L x 9-5/8" (244.5mm)W x 7-1/4" (184.2mm)H
	Weight Including Gun and Cables:	65 lbs (29.5 kg)
	Input Voltage:	208-240 VAC, 60 Hz, 1 Phase, 30 Amp.
	Weld Voltage:	7.5 VAC Open Circuit
	Line Cord:	7 ft. (2.13m) of 12/3 cord, w/4 prong 30 Amp. Twist-Lock Plug
	Weldable Pin Diameter:	9 ga. (3.76mm) Cupped Head Resistance Weld Pin
	Weldable Base Metal Thickness:	24 ga. (0.7mm) and Lighter
WELD GUN:	Weld Rate:	Up to 12 Per Min.
	Type:	Pistol Grip
	Weight (less cables):	1.6 lbs (0.73kg)
	Dimensions:	5-1/4" (133.4mm) L x 2" (50.8mm) Diameter
CABLES (Permanently connected to welder):	Feed:	Manual
	Gun:	10 1/2 ft. (3.2m) 3/0 Weld Cable and 18-3 Control Cable
	Ground:	2 1/2 ft. (0.76m) 4/0 Weld Cable, Terminating in a Spring Loaded Clamp
SHIPPING	Weight:	80 lbs. (36.4kg) - 2.4 cu. ft. (.068m3)

SHEET METAL SCREWS

Hardcast Hardware

LASERS

Lasers are time-proven labor savers. In use for many years, Lasers are available with standard hex-washer head with undercut and with pan-socket head.

The non-walking "twinfast" threads terminate in a super sharp point, which easily penetrates two pieces of 22 gauge metal.



Part#	Product Description	Qty.
308183	LASERS HEX HEAD #8 X 1/2" 1,000 (SLT - 8X1/2)	1,000/Case
308185	LASERS HEX HEAD #8 X 3/4" 1,000 (SLT - 8X3/4)	1,000/Case
308181	LASERS HEX HEAD #8 X 1/2" 10,000 (SLB - 8X1/2)	10,000/Case
308182	LASERS HEX HEAD #8 X 3/4" 10,000 (SLB - 8X3/4)	10,000/Case

TECHS

Tech Screws drill and tap into heavy gauge applications such as fastening 16 gauge metal to 1/8" or heavier angles. The forged drill point combined with the special threads eliminates the need for center punching or pre-drilling holes. Penetration is quick and the assembly is secure.



Part#	Product Description	Qty.
308191	TECHS HEX HEAD #8 X 1/2" 1,000 (SPT - 8X1/2)	1,000/Case
308193	TECHS HEX HEAD #8 X 3/4" 1,000 (SPT - 8X3/4)	1,000/Case
308195	TECHS HEX HEAD #10 X 1/2" 1,000 (SPT - 10X1/2)	1,000/Case
308197	TECHS HEX HEAD #10 X 3/4" 1,000 (SPT - 10X3/4)	1,000/Case
308187	TECHS HEX HEAD #8 X 1/2" 10,000 (SPB - 8X1/2)	10,000/Case
308188	TECHS HEX HEAD #8 X 3/4" 10,000 (SPB - 8X3/4)	10,000/Case
308189	TECHS HEX HEAD #10 X 1/2" 10,000 (SPB - 10X1/2)	10,000/Case
308190	TECHS HEX HEAD #10 X 3/4" 6,000 (SPB - 10X3/4)	6,000/Case

CHUCKS



Part#	Product Description	Qty.
308199	CHUCK 1/4"HEX DRIVER (HC-14)	12/Case



Part#	Product Description	Qty.
308201	CHUCK 5/16" HEX DRIVER (HC-516)	12/Case

SEALANTS & ADHESIVES

Hardcast Hardware



ORIGINAL HARDCAST TWO PART SEALING SYSTEM

- RTA-50 (Sealant; Indoor/Outdoor)
- Two Part II Sealant Dispenser
- DT-5300/5400 Tape

MASTIC DUCT SEALANTS

- Iron-Grip 601 (Indoor/Outdoor [UL 181-BM])
- Sure-Grip 404 (Solvent)
- Flex-Grip 550 (Indoor/Outdoor [UL 181-BM])
- Versa-Grip 102 (Indoor/Outdoor)
- Versa-Grip 181 (Indoor/Outdoor [UL 181A-M/UL 181B-M])
- Duct Seal 321 (Indoor/Outdoor)
- Scrim FS-151AB and FS-150

ROLLED ELASTOMERIC DUCT SEALANTS

- Aluma-Grip 701
- Foil-Grip 1402
- Foil-Grip 1402 181BFX (UL 181 Listed)
- All-Purpose 1602
- Flange-Grip 1902
- Gasket-Tape 1902

DUCT LINER INSULATION ADHESIVES

- Glas-Grip 636SE (Solvent Base)
- Glas-Grip 637SE (Solvent Base)
- Glas-Grip 901 (Waterbased, High Yield/Low Track)
- Glas-Grip 921 (Waterbased, High Yield/Mid Track)
- Glas-Grip 925 (Waterbased, High Yield/Mid Track)
- Glas-Grip 951 (Waterbased, High Yield/High Track)
- Glas-Grip 981 (Waterbased, High Yield/Fast Track)
- Glas-Grip 658 (Portable Spray System)
- Glas-Grip 758-ES (Portable Spray System [California Compliant])
- Unn-Grip 798-ES (Cleaner)
- Lag-Grip 671 (Lagging Adhesive)

GENERAL CONSTRUCTION SEALANTS

- PT-301 (Acetoxy Cure Silicone)
- PT-301 (Technical)
- PT-301-H (Acetoxy Cure High Temp. Silicone)
- PT-301-H (Technical)
- PT-302 (Neutral Cure Silicone)
- PT-302 (Technical)
- PT-302-H (Neutral Cure High Temp. Silicone)
- PT-302-H (Technical)
- PT-304 (Polyurethane)
- PT-304 (Technical)

HARDCAST SPRAY ADHESIVE SYSTEMS

- Glas-Grip 636SE, 637SE and 900 Series Spray System

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HARDCAST HARDWARE

Product Catalog

FLEXIBLE DUCT CONNECTORS

MULTI-BLADE DAMPER HARDWARE

DAMPER REGULATORS

VANE RAIL

ACCESS DOOR HARDWARE

INSULATION FASTENERS

SHEET METAL SCREWS

