Made in USA



2025 Catalog

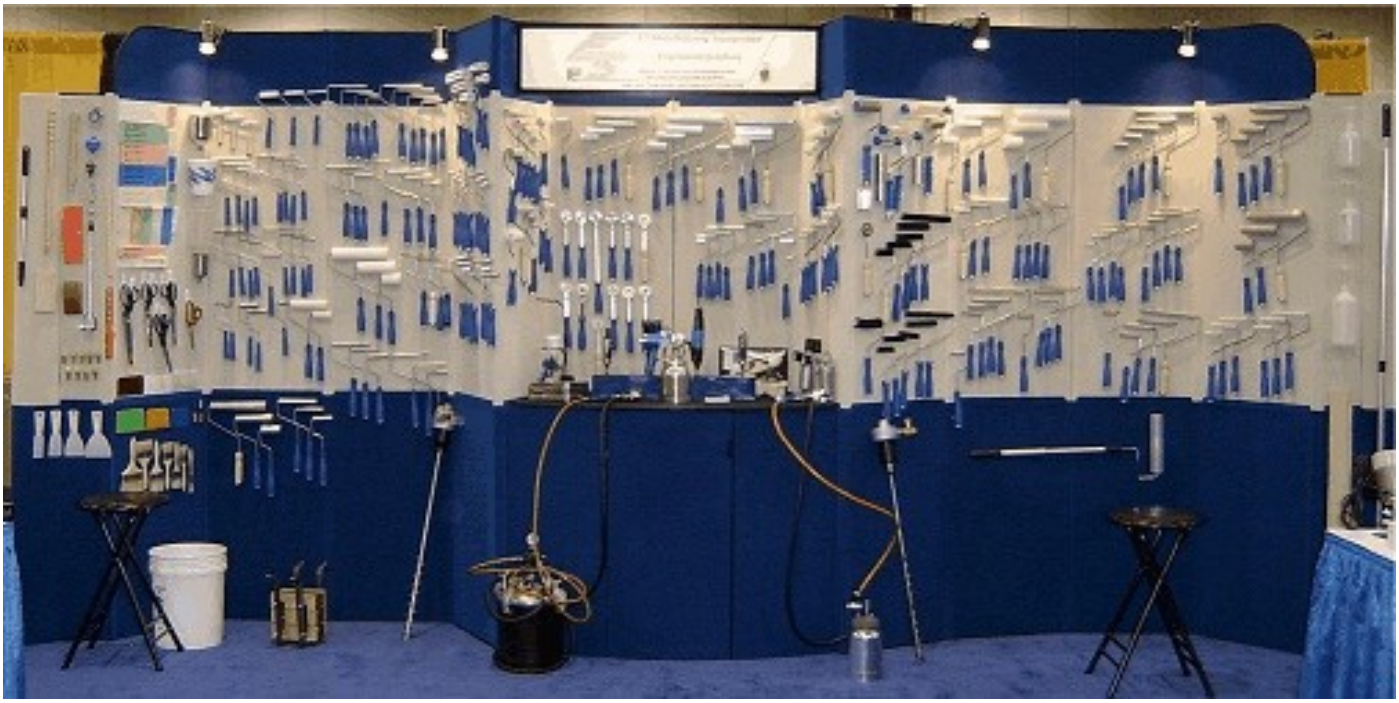
Engineered Solutions

Distributed Worldwide



1973 - 2025
52
Years

Elder & Son Manufacturing, Inc.

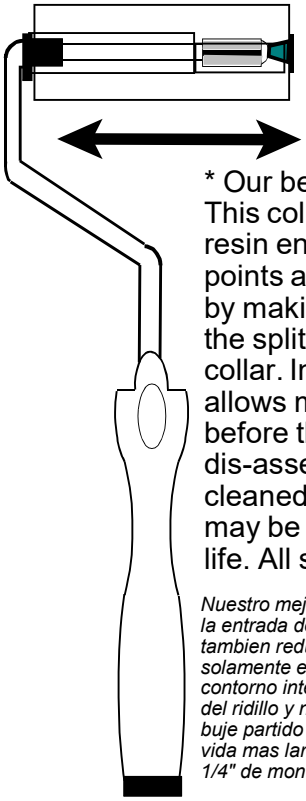


World's Largest and Best Manufacturer of Tools and Accessories for the Composite Industries

Roller Construction Diagrams

(Diagramas de la construcción del rodillo)

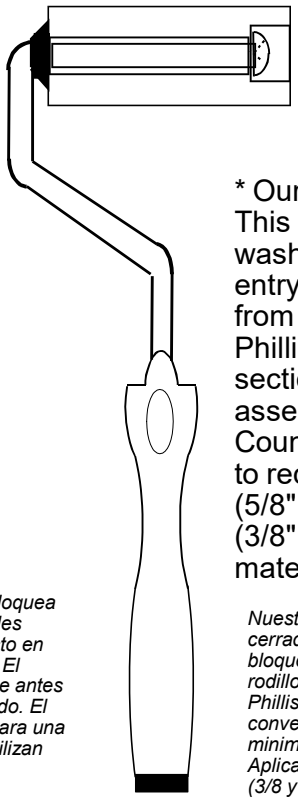
800 Quick Release



* Our best design
This collared roller blocks resin entry at all possible points and reduces friction by making contact at only the split bushing and rear collar. Internal counterbore allows more resin to enter before the roller needs to be dis-assembled to be cleaned. Aluminum bushing may be expanded for longer life. All sizes use 1/4" frame.

Nuestro mejor diseño es este rodillo collar .Bloquea la entrada de resina y todos los puntos posibles tambien reduce la fricción haciendo el contacto en solamente el bujepartido y el collar posterior. El contorno interno permite que màs resina entre antes del ridillo y nesesita ser desmontado y limpiado. El buje partido del aluminio se puede extenderpara una vida mas larga. Todas las medidas utilizan utilizan 1/4" de montura.

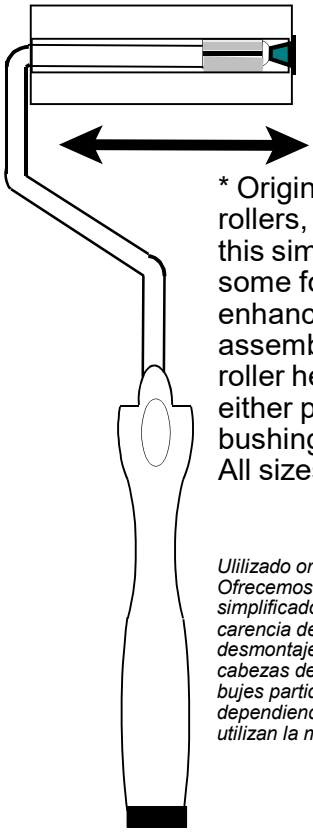
500 Deluxe



* Our most popular design.
This “stake lock” collar (no washer used) blocks rear resin entry and seperate the roller from the rear of the handle. Phillips screw seals threaded section and makes dis-assembly convenient. Counterbore size is minimized to reduce resin entry. Uses 1/4" (5/8" + diameter) and 3/16" (3/8" & 1/2" diameter) frame material sizes.

Nuestro diseño más popular. Este “collar de la cerradura deestaca” (no se utiliza ningunas arandelas) bloquea la entrada posterior de la resina y separa el rodillo de la parte posterior de la manga. El tornillo Phillis sella la sección roscada y hace el montaje conveniente. El tamaño del contrataladro se reduce al minimo para reducir la entrada de la resina. Aplicaciones 1/4"(5/8" + diámetro) y tamaños de 3/16" (3/8 y 1/2" diámetro) material del marco.

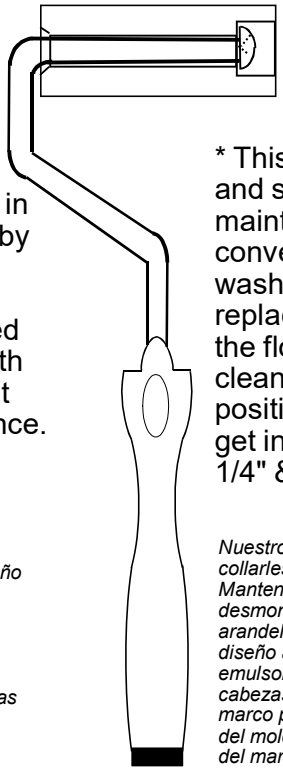
700 Quick Change



* Originally used only on bristle rollers, we now offer most styles in this simplified design. Preferred by some for it’s lack of collar that enhances cleaning without dis-assembly. All styles have plugged roller heads and are available with either plastic or or aluminum split bushings, depending on preference. All sizes use 6mm frame.

Ulilizado originalmente en los rodillos de cerda, Ofrecemos la mayoría de los estilos en este diseño simplificado. Es preferido por algunos por la carencia del collar que realza la limpieza sin desmontaje. Estilo quick change tiene tapado la cabezas del rodillo y están disponibles con los bujes partidos en plástico o de aluminio, dependiendo de la preferencia. Todas las medidas utilizan la montura de 6mm.

400 Standard



* This collarless design is compact and simple to maintain. We maintain our Phillips screw for convenient dis-assembly. No washer to lose or collars to replace. Open design allows for the flow of solvent or emulsifier to clean quickly. Roller heads are positioned closer to the frame to get into tighter mold areas. Uses 1/4" & 3/16" frame material.

Nuestro mas nuevo diseño. Este diseño collarless es compacto y simple de mantener. Mantenemos nuestro tornillo Phillips para el desmontaje conveniente. No hay ningunas arandelas suelas o collares para remplasar. Este diseño abierto permite el flujo del solvente o emulsor para limpiar lo rápidamente. Las cabezas del rodillo se colocan mas cercana al marco para conseguir en áreas más apretadas del molde. Aplicaciones 1/4" y 3/16" del material del marco.

Choosing the correct handle for your lamination needs.

Elegir la manga correcta para sus necesidades de la laminación



"A" Blue *(Azul)*

Our best handle is made from long lasting PolyPro with a rough texture for a non-slip grip. Exclusive to ES Manufacturing. Each handle's hole is molded undersize to mount tightly to the galvanized steel frames. Textured thumb rest to reduce fatigue and thoughtful hook molded for hanging on a cleaning bucket.Threaded & steel reinforced ferrule to prevent cracking when extension handles are used.

Nuestra mejor manga fabricada de PolyPro duradero con una textura áspera para un agarre antideslizante. El agujero moldeado de cada manga es de un tamaño menor y monta firmemente a la montura de acero galvanizados con rosca y acero reforzado.



"M" Wood *(Madera)*

The classic laminating roller handle is drilled undersize for a tight grip on the frame. Contoured smooth turned body is comfortable for most laminators. Threaded & steel reinforced.

El mango classico laminado es de tamaño menor y perforado para un agarre firme en la montura. El cuerpo de la manga es contorneado liso para la mayoría de los laminadores.Tiene rosca y acero reforzado.



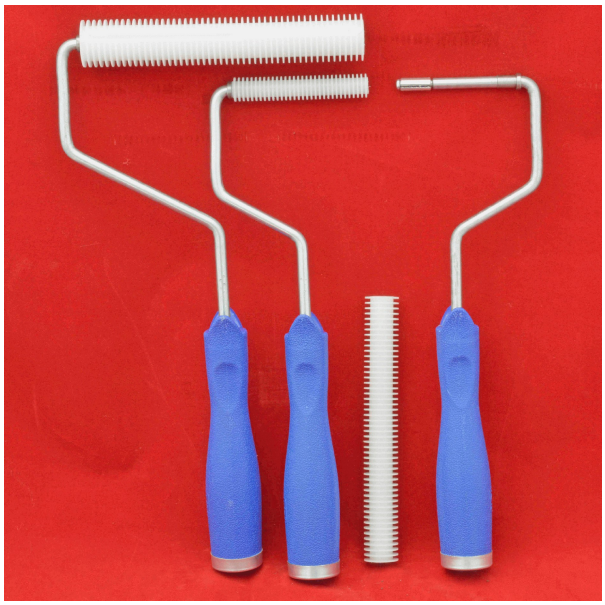
"E" Economy

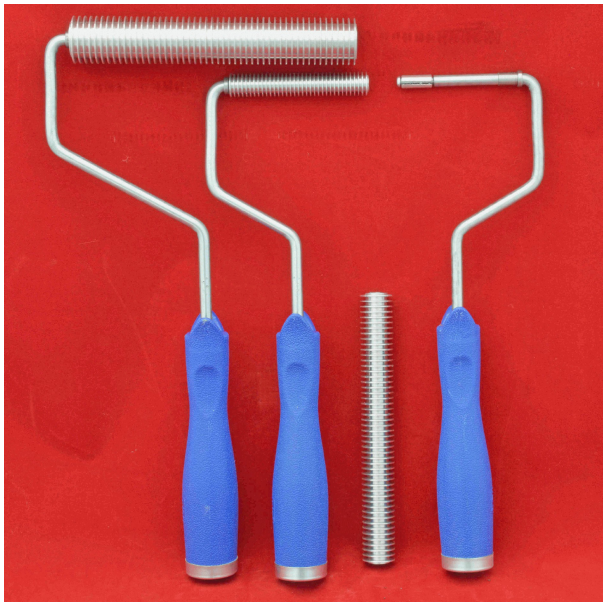
(economico)

Small, textured handle to get into the tightest of molds. Rough texture for non-slip grip. Molded undersize to mount to frame tightly.

La manga economica texturada es pequeña para conseguir el molde mas firme. la textura áspera es para una firmesa antideslizante. Es moldeado para un tamaño menor para el montaje del marco mas firme.

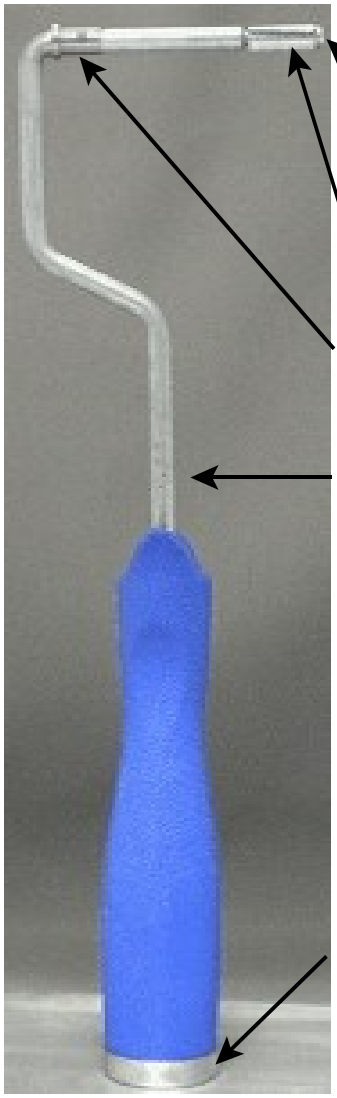
800 Series Quick Release Rollers





80AF25300

80MF25300



Phillips Screw for easy bushing removal.
Tornillo phillips para retitar facil el buje

Split Aluminum Bushing can be reset to larger diameter when wear occurs.
El buje de alumino partido se puede reajustar a un diametro mas grande cuando ocurra el desajuste.

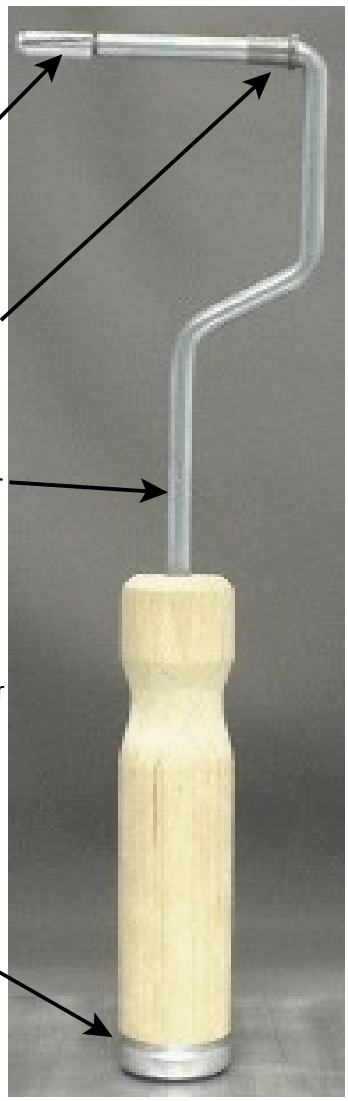
Steel collar that reduces friction and helps to block resin from entering roller head.
Este collar de acero reduce la ficcíon y ayuda a bloquear la entrada de resina.

Strong, 1/4" (6.5mm) Galvanized frames for longer life.
Marco fuerte de 1/4" (6.5MM) galvanizado para ser mas duradero.

Blue plastic and wood handles bored undersize for better hold on frame.
Mango azul plastico y madera reducido para un agarre mejor en el marco.

Shown here with our famous sure grip handle designed for the rigors of the composite industry.
Demostrado aqui con nuesta manga famosa de agarre seguro para los rigores de la industria compuesta.

Steel ferrule reinforced to eliminate cracking when extensions are used.
Virola de acero reforzada para eliminar grietas cuando sea utilizado con extensiones.



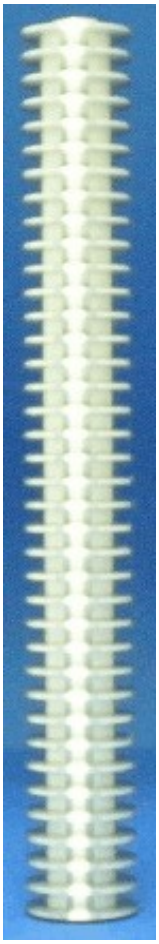


810 Thin Fin Plastic Quick Release

Rodillo plastico de aleta fina de cambio rapido

Plastic Handle		Wood Handle
810A/B 050200	1/2" Diameter x 2" Long (12.3 x 51 mm) HDPE Plas.	810M 050200
810A/B 050300	1/2" Diameter x 3" Long (12.3 x 101 mm) HDPE Plas.	810M 050300
810A/B 050450	1/2" Diameter x 4.5" Long (12.3 x 114 mm) HDPE Plas.	810M 050450
810A/B 050500	1/2" Diameter x 5" Long (12.3 x 127 mm)) HDPE Plas.	810M 050500
810A/B 050600	1/2" Diameter x 6" Long (12.3 x 152 mm)) HDPE Plas.	810M 050600
810A/B 062300	5/8" Diameter X 3"Long (15.5 x 101mm) HDPE Plas.	810M 062300
810A/B 062450	5/8" Diameter X 4.5"Long (15.5 x 114mm)HDPE Plas.	810M 062450
810A/B 062600	5/8" Diameter X 6"Long (15.5 x 152m) HDPE Plas.	810M 062600
810A/B 075300	3/4" Diameter x 3" Long (18.5 x 101 mm) HDPE Plas.	810M 075300
810A/B 075450	3/4" Diameter x 4.5" Long (18.5 x 114 mm) HDPE Plas.	810M 075450
810A/B 075600	3/4" Diameter x 6" Long (18.5 x 152mm) HDPE Plas.	810M 075600
810A/B 100300	1" Diameter x 3" Long (25 x 75 mm) HDPE Plas.	810M 100300
810A/B 100400	1" Diameter x 3" Long (25 x 101 mm) HDPE Plas.	810M 100400
810A/B 100450	1" Diameter x 4.5" Long (25 x 114 mm) HDPE Plas.	810M 100450
810A/B 100500	1" Diameter x 5" Long (25 x 127mm)HDPE Plas.	810M 100500
810A/B 100600	1" Diameter x 6" Long (25 x 152mm)HDPE Plas.	810M 100600

(For 2" Diameter Quick Release See “Plastic Roller Sleeves”)



820 Thin Fin Aluminum Quick Release

Rodillo de aluminio de aleta fina de cambio rapido

Plastic Handle		Wood Handle
820A/B 050200	1/2" Diameter x 2" Long (12.3 x 51 mm) Alum.	820M 050200
820A/B 050300	1/2" Diameter x 3" Long (12.3 x 75 mm) Alum.	820M 050300
820A/B 050400	1/2" Diameter x 4" Long (12.3 x 101 mm) Alum.	820M 050400
820A/B 050450	1/2" Diameter x 4.5" Long (12.3 x 114 mm) Alum.	820M 050450
820A/B 050500	1/2" Diameter x 5" Long (12.3 x 127 mm) Alum.	820M 050500
820A/B 050600	1/2" Diameter x 6" Long (12.3 x 152 mm) Alum.	820M 050600
820A/B 062300	5/8" Diameter X 3"Long (15.5 x 76mm) Alum.	820M 062300
820A/B 062450	5/8" Diameter X 4.5"Long (15.5 x 114mm) Alum.	820M 062450
820A/B 062600	5/8" Diameter X 6"Long (15.5 x 152m) Alum.	820M 062600
820A/B 075300	3/4" Diameter x 3" Long (18.5 x 76 mm) Alum.	820M 075300
820A/B 075400	3/4" Diameter x 4" Long (18.5 x 101 mm) Alum.	820M 075050
820A/B 075450	3/4" Diameter x 4.5" Long (18.5 x 114 mm) Alum.	820M 075450
820A/B 075500	3/4" Diameter x 6" Long (18.5 x 127mm) Alum.	820M 075500
820A/B 075600	3/4" Diameter x 6" Long (18.5 x 152mm) Alum.	820M 075600
820A/B 100300	1" Diameter x 3" Long (25 x 76 mm) Alum.	820M 100300
820A/B 100400	1" Diameter x 4" Long (25 x 100 mm) Alum.	820M 100400
820A/B 100450	1" Diameter x 4.5" Long (25 x 114 mm) Alum.	820M 100450
820A/B 100500	1" Diameter x 5" Long (25 x 127mm) Alum.	820M 100500
820A/B 100600	1" Diameter x 6" Long (25 x 152mm) Alum.	820M 100600

(For 2" Diameter Quick Release See ”Alumium Roller Sleeves”)



852 Thin Fin Plastic Radius Quick Release

Rodillo radio plastico de cambio rapido

Plastic Handle		Wood Handle
852A/B 10030R15	1” Dia x 3” Long w/15” Radius HDPE Plas. (25 x 75mm w/38cm Radius)	852M 10030R15
852A/B 12560R30	1.25” Dia x 6” Long w/30” Rad. HDPE Plas (31 x 150mm w/76cm Radius)	852M 12560R30
852A/B 15030R03	1” Dia x 3” Long w/3.5” Rad. HDPE Plas (38 x 75mm w/84cm Radius)	852M 15030R03



862 Thin Fin Aluminum Radius Quick Release

Rodillo Radio de cambio rapido

Plastic Handle		Wood Handle
862A/B 10030R15	1” Dia x 3” Long w/15” Rad)Alum. (25 x 75mm w/38cm Radius)	862M 10030R15
862A/B 16230R03	1.62” Dia x 3” Long w/3.5” Rad)Alum. (38 x 75mm w/84cm Radius)	862M 16230R03



872 Aluminum Long Groove (Paddle) Quick Release

Rodillo de alumino largos aletados de paleta de cambio rapido

Plastic Handle		Wood Handle
872A/B 060200	1/2" Diameter x 2" Long (15.1 x 51 mm)	872M 060200
872A/B 060300	1/2" Diameter x 3" Long (15.1x 76 mm)	872M 060300
872A/B 060400	1/2" Diameter x 4" Long (15.1 x 101 mm)	872M 060400
872A/B 060450	1/2" Diameter x 4.5" Long (15.1 x 114)	872M 060450
872A/B 060500	1/2" Diameter x 5" Long (15.1 x 127)	872M 060500
872A/B 060600	1/2" Diameter x 6" Long (15.1 x 152 mm)	872M 060600
872A/B 075200	3/4" Diameter x 2" Long (18.5 x 51 mm)	872M 075200
872A/B 075300	3/4" Diameter x 3" Long (18.5 x 76 mm)	872M 075300
872A/B 075400	3/4" Diameter x 4" Long (18.5 x 101 mm)	872M 075400
872A/B 075450	3/4" Diameter x 4.5" Long (18.5 x 114 mm)	872M 075450
872A/B 075500	3/4" Diameter x 5" Long (18.5 x 127)	872M 075500
872A/B 075600	3/4" Diameter x 6" Long (18.5 x 152 mm)	872M 075600
872A/B 100200	1" Diameter x 2" Long (25 x 51 mm)	872M 100200
872A/B 100300	1" Diameter x 3" Long (25 x 76 mm)	872M 100300
872A/B 100450	1" Diameter x 4.5" Long (25 x 114 mm)	872M 100450
872A/B 100600	1" Diameter x 6" Long (25 x 152 mm)	872M 100600

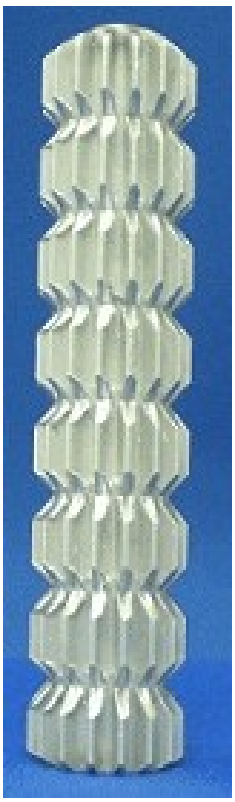
(For 2" Diameter Aluminum See “Alum. PR Sleeves”)



874 Aluminum Bubble Buster (Spiked)
Quick Release

Plastic Handle		Wood Handle
874A/B 060200	1/2" Diameter x 2" Long (15.1 x 51 mm)	874M 060200
874A/B 060300	1/2" Diameter x 3" Long (15.1x 76 mm)	874M 060300
874A/B 060400	1/2" Diameter x 4" Long (15.1 x 101 mm)	874M 060400
874A/B 060450	1/2" Diameter x 4.5" Long (15.1 x 114)	874M 060450
874A/B 060500	1/2" Diameter x 5" Long (15.1 x 127)	874M 060500
874A/B 060600	1/2" Diameter x 6" Long (15.1 x 152 mm)	874M 060600
874A/B 075200	3/4" Diameter x 2" Long (18.5 x 51 mm)	874M 075200
874A/B 075300	3/4" Diameter x 3" Long (18.5 x 76 mm)	874M 075300
874A/B 075400	3/4" Diameter x 4" Long (18.5 x 101 mm)	874M 075400
874A/B 075450	3/4" Diameter x 4.5" Long (18.5 x 114 mm)	874M 075450
874A/B 075500	3/4" Diameter x 5" Long (18.5 x 127)	874M 075500
874A/B 075600	3/4" Diameter x 6" Long (18.5 x 152 mm)	874M 075600
874A/B 100200	1.0" Diameter x 2" Long (25 x 51 mm)	874M 100200
874A/B 100300	1.0" Diameter x 3" Long (25 x 76 mm)	874M 100300
874A/B 100450	1.0" Diameter x 4.5" Long (25 x 114 mm)	874M 100450
874A/B 100500	1.0" Diameter x 5" Long (25 x 127 mm)	874M 100500
874A/B 100600	1.0" Diameter x 6" Long (25 x 152 mm)	874M 100600

(For 2" Diameter Aluminum See “Alum. PR Sleeves”)



876 Aluminum Hybrid (Slotted Paddle)
Quick Release

Plastic Handle		Wood Handle
876A/B 060200	1/2" Diameter x 2" Long (15.1 x 51 mm)	876M 060200
876A/B 060300	1/2" Diameter x 3" Long (15.1x 76 mm)	876M 060300
876A/B 060400	1/2" Diameter x 4" Long (15.1 x 101 mm)	876M 060400
876A/B 060450	1/2" Diameter x 4.5" Long (15.1 x 114)	876M 060450
876A/B 060500	1/2" Diameter x 5" Long (15.1 x 127)	876M 060500
876A/B 060600	1/2" Diameter x 6" Long (15.1 x 152 mm)	876M 060600
876A/B 075200	3/4" Diameter x 2" Long (18.5 x 51 mm)	876M 075200
876A/B 075300	3/4" Diameter x 3" Long (18.5 x 76 mm)	876M 075300
876A/B 075400	3/4" Diameter x 4" Long (18.5 x 101 mm)	876M 075400
876A/B 075450	3/4" Diameter x 4.5" Long (18.5 x 114 mm)	876M 075450
876A/B 075500	3/4" Diameter x 5" Long (18.5 x 127)	876M 075500
876A/B 075600	3/4" Diameter x 6" Long (18.5 x 152 mm)	876M 075600
876A/B 100200	1.0" Diameter x 2" Long (25 x 51 mm)	876M 100200
876A/B 100300	1.0" Diameter x 3" Long (25 x 76 mm)	876M 100300
876A/B 100400	1.0" Diameter x 4" Long (25 x 101mm)	876M 100400
876A/B 100450	1.0" Diameter x 4.5" Long (25 x 114 mm)	876M 100450
876A/B 100600	1.0" Diameter x 6" Long (25 x 152 mm)	876M 100600

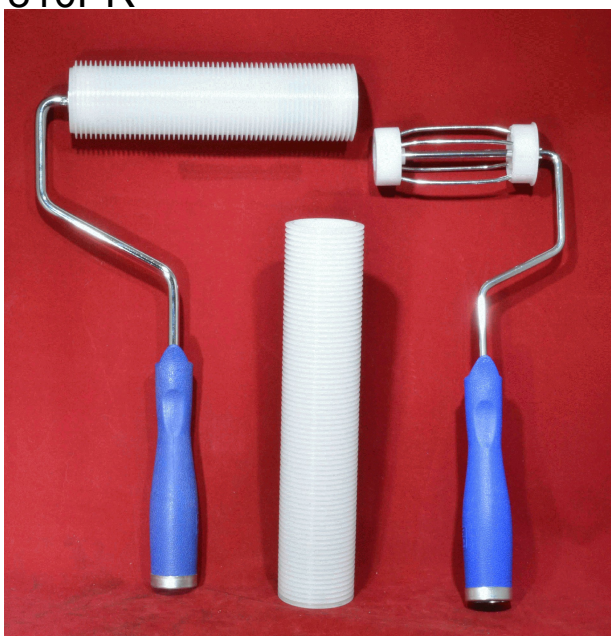
(For 2" Diameter Aluminum See “Alum. PR Sleeves”)

Plastic Roller Sleeves

Our newest designs, both are industry exclusives. *The World's Only Pastic Paddle (long groove) roller,* precision CNC machined. These sleeves fit our strong, ES paint cages and most standard paint roller cages. Made from chemically resistant HDPE making them a perfect solution for large panels made from chemically sensitive materials such as epoxy and vinyl esters.

Thin fin, machined plastic roller sleeves, machined to the exact standards of our popular aluminum sleeves. Made from HDPE for superior clean up properties that have made our plastic rollers the world's standard for easy to clean solutions for open mold lamination.

810PR



880PR





Plastic Thin Fin Roller Combinations / Roller Sleeves

Rodillos de aluminio ranurados combinados

810PR 200 300	2 Dia x 3.0" (50 x 75mm)	8H10 200 30PRS
810PR 200 400	2 Dia x 4.0" (50 x 100mm)	8H10 200 40PRS
810PR 200 600	2 Dia x 6.0" (50 x 150mm)	8H10 200 60PRS
810PR 200 700	2 Dia x 7.0" (50 x 180mm)	8H10 200 70PRS
810PR 200 900	2 Dia x 9.0" (50 x 225mm)	8H10 200 90PRS



Plastic Lg.Groove Roller Combinations / Roller Sleeves

Rodillos de aluminio ranurados combinados

880PR 200 300	2 Dia x 3.0" (50 x 75mm)	8H10 200 30PLS
880PR 200 400	2 Dia x 4.0" (50 x 100mm)	8H10 200 40PLS
880PR 200 600	2 Dia x 6.0" (50 x 150mm)	8H10 200 60PLS
880PR 200 700	2 Dia x 7.0" (50 x 180mm)	8H10 200 70PLS
880PR 200 900	2 Dia x 9.0" (50 x 225mm)	8H10 200 90PLS

Paint Roller Sleeves / Roller Sleeve Combinations

Rodillo de mangas para pintar/Rodillos de mangas combinadas

820PR **872PR** **874PR** **876PR**

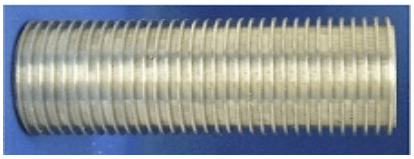


Precision machined and extruded aluminum laminating roller sleeves that fit standard (US styles) paint roller cages. Manufactured from aircraft grade aluminum, these sleeves are an inexpensive way to remove air and laminate composites on large areas. When combined with our heavy duty paint roller cages, these rollers can be used with extention frames, large areas can be laminated in minutes. We designed our 50mm paddle extrusion with a 1.5" inside diameter to fit conventional paint roller cages This extrusion is the basis for our bubble buster and slotted paddle designs. Sleeves are available in 3", 4", 6", 7" and 9" to cover a wide range of laminating needs.

La precision es trabajada a maquina y las mangas del rodillo de aluminio que son standards (Estillo E.E.U.U.) Para pintar con rodillos de canasta. Son fabricados con aluminio que se usa para fabricar aviones, esta mangas son ecomincas de una manera que remueve el aire y el laminado en los compuestos en largas areas. Cuando son combinadas con nuestros rodillos de canastas solidios, estos rodillos tambien pueden ser usados con marcos para extensiones, y amplias areas puede ser laminadas en minutos. Nuestro mas nuevo diseño 50mm de paleta esta diseñada de 50mm y tiene un diametro interior del 1.5", lo que permite la fabricacion del buster/burbuja y el rodillo de paleta ranurado. Las mangas estan disponibles en 3", 4", 6", 7", y 9" y pueden cubrir una amplia gama de necesidades al laminar.

Aluminum Thin Fin Roller Combinations / Roller Sleeves

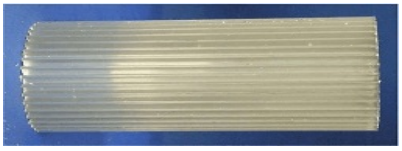
Rodillos de aluminio ranurados combinados



820PR 200300	2" Diameter x 3" Long (50mm x 75mm)	8H20 20030ARS
820PR 200400	2" Diameter x 4" Long (50mm x 100mm)	8H20 20040ARS
820PR 200600	2" Diameter x 6" Long (50mm x 505mm)	8H20 20060ARS
820PR 200700	2" Diameter x 7" Long (50mm x 175mm)	8H20 20070ARS
820PR 200900	2" Diameter x 9" Long (50mm x 225mm)	8H20 20090ARS

Aluminum Lg.Groove Paddle Rollers Combinations/Sleeves

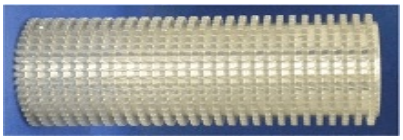
Rodillo de alumino con largos aletados combinado



872PR 200300	2" Diameter x 3" Long (50mm x 75mm)	8H72 20030LMS
872PR 200400	2" Diameter x 4" Long (50mm x 100mm)	8H72 20040LMS
872PR 200600	2" Diameter x 6" Long (50mm x 150mm)	8H72 20060LMS
872PR 200700	2" Diameter x 7" Long (50mm x 175mm)	8H72 20070LMS
872PR 200900	2" Diameter x 9" Long (50mm x 225mm)	8H72 20090LMS

Aluminum Spiked Bubble Buster Rollers Combinations/Sleeves

Rodillo de alumino rompe burbujas combinados



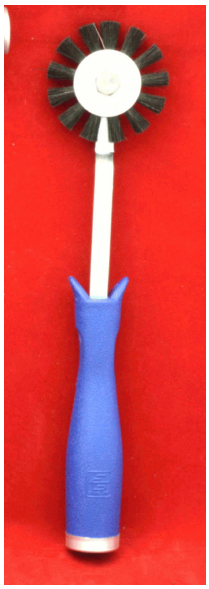
874PR 200300	2" Diameter x 3" Long (50mm x 75mm)	8H74 20030ABMS
874PR 200400	2" Diameter x 4" Long (50mm x 100mm)	8H74 20040ABMS
874PR 200600	2" Diameter x 6" Long (50mm x 150mm)	8H74 20060ABMS
874PR 200700	2" Diameter x 7" Long (50mm x 175mm)	8H74 20070ABMS
874PR 200900	2" Diameter x 9" Long (50mm x 225mm)	8H74 20090ABMS

Aluminum Hybrid Slotted Paddle Rollers Combinations / Sleeves

Rodillos de alumino de patelas ranurada combinadas



876PR 200300	2" Diameter x 3" Long (50mm x 75mm)	8H76 20030SLMS
876PR 200400	2" Diameter x 4" Long (50mm x 100mm)	8H76 20040SLMS
876PR 200600	2" Diameter x 6" Long (50mm x 150mm)	8H76 20060SLMS
876PR 200700	2" Diameter x 7" Long (50mm x 175mm)	8H76 20070SLMS
876PR 200900	2" Diameter x 9" Long (50mm x 225mm)	8H76 20090SLMS



Corner Bristle Rollers

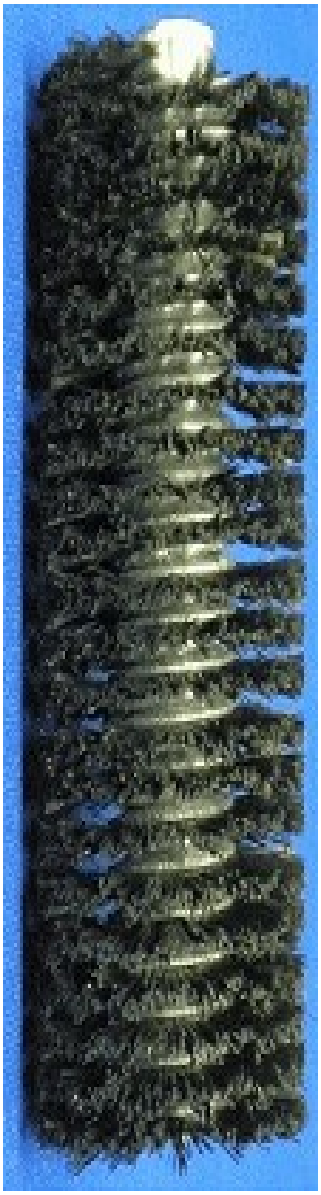
Rodillos de cerda completas

Our exclusive Corner Bristle Rollers is made from Poly-Pro bristles tuffted into a Poly-E roller head for long life. This unique roller insures proper air relief even in “less than perfect” mold fillets. Available in standard and extended “L” frames. Also available in classic wood handles.

Plastic		Wood
546A/B-250-CRT	2.5" Diameter X 3/8" wide (60 X 8mm)	546M-250-CRT
546A/B-250-CRTL	2.5" Diameter X 3/8" wide (60 X 8mm) (Long Frame)	546M-250-CRTL

790 Bristle Rollers Complete

Rodillos de cerda completas



Ferruled Plastic Handle

790A/B 075200A/P	3/4 x 2” (22 x 50mm) Bristle w/Plug
790A/B 075300A/P	3/4 x 3” (22 x 75mm) Bristle w/Plug
790A/B 075400A/P	3/4 x 4” (22 x 100mm) Bristle w/Plug
790A/B 075450A/P	3/4 x 4.5” (22 x 115mm) Bristle w/Plug
790A/B 075500A/P	3/4 x 5” (22 x 127mm) Bristle w/Plug
790A/B 075600A/P	3/4 x 6” (22 x 150mm) Bristle w/Plug
790A/B 075900A/P	3/4 x 9” (22 x 225mm) Bristle w/Plug
790A/B 100200A/P	1 x 3” (28 x 50mm) Bristle w/Plug
790A/B 100300A/P	1 x 3” (28 x 75mm) Bristle w/Plug
790A/B 100400A/P	1 x 4” (28 x 100mm) Bristle w/Plug
790A/B 100450A/P	1 x 4.5” (28 x 115mm) Bristle w/Plug
790A/B 100500A/P	1 x 5” (28 x 127mm) Bristle w/Plug
790A/B 100600A/P	1 x 6” (28 x 150mm) Bristle w/Plug
790A/B 100900A/P	1 x 9” (28 x 225mm) Bristle w/Plug



Wood Handle

790M 075200A/P	3/4 x 2” (22 x 50mm) Bristle w/Plug
790M 075300A/P	3/4 x 3” (22 x 75mm) Bristle w/Plug
790M 075400A/P	3/4 x 4” (22 x 100mm) Bristle w/Plug
790M 075450A/P	3/4 x 4.5” (22 x 115mm) Bristle w/Plug
790M 075500A/P	3/4 x 5” (22 x 127mm) Bristle w/Plug
790M 075600A/P	3/4 x 6” (22 x 150mm) Bristle w/Plug
790M 075900A/P	3/4 x 9” (22 x 225mm) Bristle w/Plug
790M 100200A/P	1 x 3” (28 x 50mm) Bristle w/Plug
790M 100300A/P	1 x 3” (28 x 75mm) Bristle w/Plug
790M 100400A/P	1 x 4” (28 x 100mm) Bristle w/Plug
790M 100450A/P	1 x 4.5” (28 x 115mm) Bristle w/Plug
790M 100500A/P	1 x 6” (28 x 150mm) Bristle w/Plug
790M 100600A/P	1 x 6” (28 x 150mm) Bristle w/Plug
790M 100900A/P	1 x 9” (28 x 225mm) Bristle w/Plug



Note: “A” at the end of the part number is the superior and default aluminum bushing designed specifically for bristle rollers.

7H90 Bristle Rollers Refills

Respuestos de rodillo de cerda



Bristle Refills	Description	
7H90 07520BRB	3/4 x 2” (22 x 50mm) Bristle	Bristle Refill w/Plug
7H90 07530BRB	3/4 x 3” (22 x 75mm) Bristle	Bristle Refill w/Plug
7H90 07540BRB	3/4 x 4” (22 x 100mm) Bristle	Bristle Refill w/Plug
7H90 07545BRB	3/4 x 4.5” (22 x 113mm) Bristle	Bristle Refill w/Plug
7H90 07550BRB	3/4 x 5” (22 x 127mm) Bristle	Bristle Refill w/Plug
7H90 07560BRB	3/4 x 6” (22 x 150mm) Bristle	Bristle Refill w/Plug
7H90 07590BRB	3/4 x 9” (22 x 225mm) Bristle	Bristle Refill w/Plug
7H90 10020BRB	1 x 2" (28 x 50mm) Bristle	Bristle Refill w/Plug
7H90 10030BRB	1 x 3" (28 x 75mm) Bristle	Bristle Refill w/Plug
7H90 10040BRB	1 x 4” (28 x 100mm) Bristle	Bristle Refill w/Plug
7H90 10045BRB	1 x 4.5” (28 x 113mm) Bristle	Bristle Refill w/Plug
7H90 10060BRB	1 x 5” (28 x 127mm) Bristle	Bristle Refill w/Plug
7H90 10060BRB	1 x 6” (28 x 150mm) Bristle	Bristle Refill w/Plug
7H90 10090BRB	1 x 9” (28 x 225mm) Bristle	Bristle Refill w/Plug

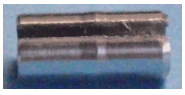
Collerless Frame Assemblies

Conjuntos de monturas ensamblado



Deluxe Blue Plastic	Description	Wood Handle
70A F25200A/AB/P	2” Collarless Frame Assembly w/Split Bushing	70M F25200A/AB/P
70A F25300A/AB/P	3” Collarless Frame Assembly w/Split Bushing	70M F25300A/AB/P
70A F25400A/AB/P	4” Collarless Frame Assembly w/Split Bushing	70M F25400A/AB/P
70A F25450A/AB/P	4.5” Collarless Frame Assembly w/Split Bushing	70M F25450A/AB/P
70A F25500A/AB/P	6” Collarless Frame Assembly w/Split Bushing	70M F25500A/AB/P
70A F25600A/AB/P	6” Collarless Frame Assembly w/Split Bushing	70M F25600A/AB/P
70A F25900A/AB/P	9” Collarless Frame Assembly w/Split Bushing	70M F25900A/AB/P

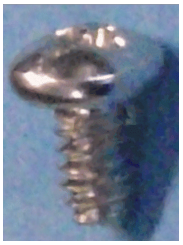
Note 1. For standard “N” plastic handle, please substitute “N” for “A”
Note 2. For replacing 790_____A, order 70AF25__AB
Note 3. For replacing 790_____P, order 70AF25__P
Note 4. For replacing all other 700 series rollers, you may choose either 70AF___A, or 70AF___P.



700 F25 288BR Aluminum Split Bushing for Bristle Rollers



700 F25 292P Black Delrin Spit Bushing for Bristle Rollers or all 700 series rollers ½" diameter or above



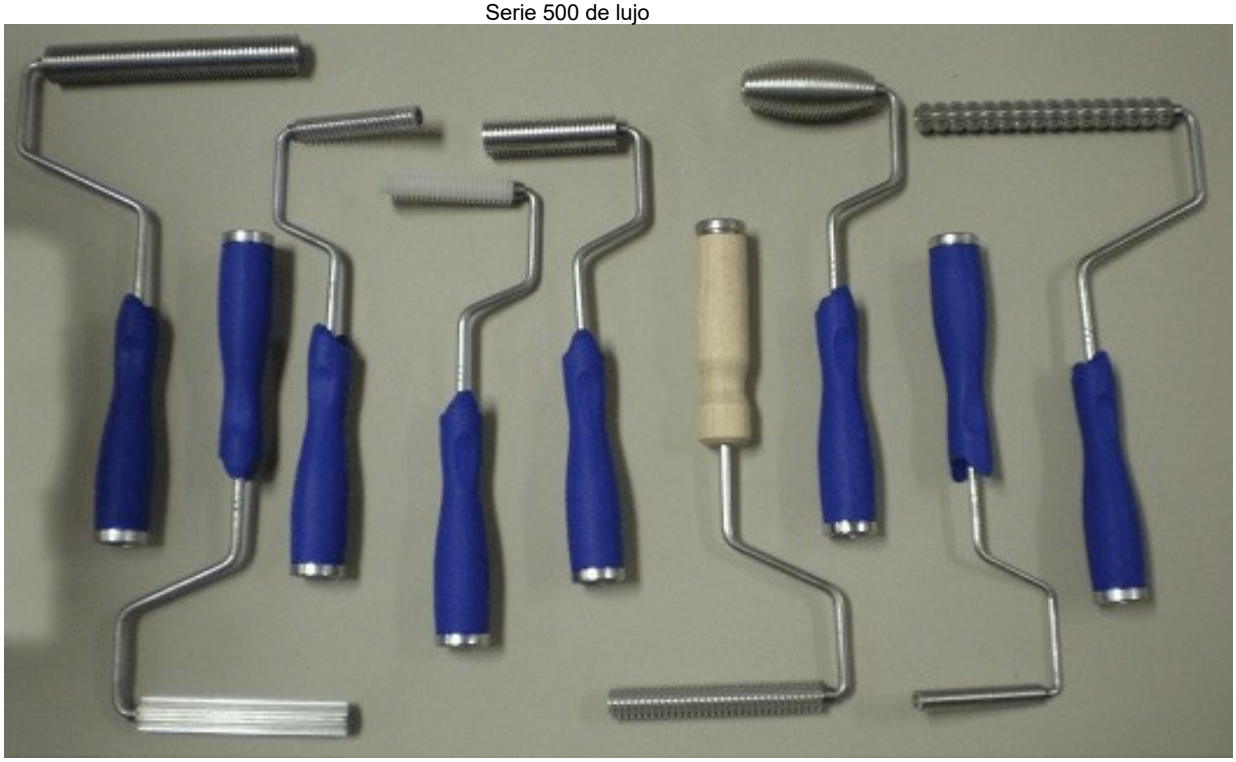
500 S632 250P Phillips Screw for ½" + Dia. 200 & 300 Series ½" Dia. 400 & 500 series, ½" + 700 Series, All 800 Series

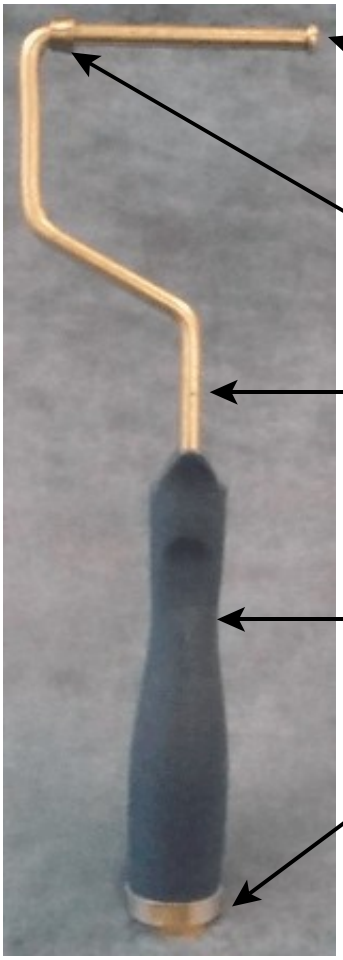
500 S632 250S Phillips Screw for 3/8" Dia. 200, 300, 400 & 500 series rollers. 3/4 & 1" diameter series 200 & 300 series rollers.

500 S132 250P Phillips Screw for 5/8" Dia. 400 & 500 Series rollers

Deluxe 500 Series

Serie 500 de lujo





Phillips screw for sealed threads & roller retention.

Tornillo phillips para los hillos de rosca sellados y la retencíon del rodillo.

Collared retention for long life and reduced resin contamination.

Retencíon agurrada para mas duradero y reduce la contaminacion de resina.

Strong, 1/4" (6.5mm) galvanized frames for long life. (3/16 or 3/8 ½" Diameter)

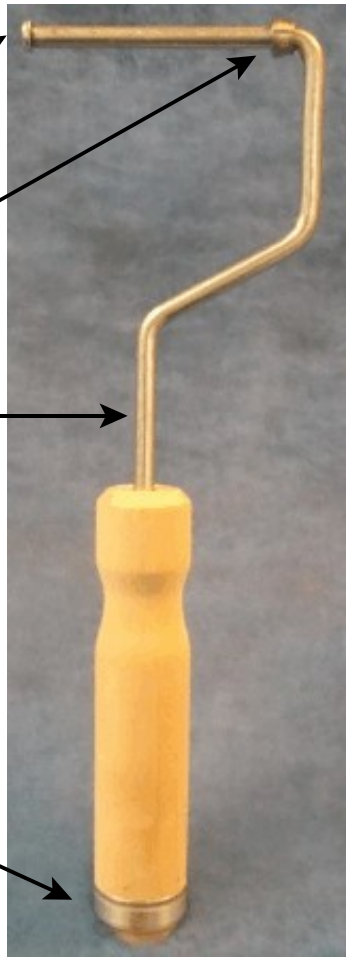
Marcos fuertes de 1/4" (6.5mm) de galavanizado para un rodillo mas duradero.(3/16 o 3/8 1/2" diametro.)

Shown here with textured blue handle that is designed to reduce fatigue.

Demostrado aqui con mango azul texurado deseñado para reducir fatiga.

Steel ferrule reinforced to eliminate crackling when extensions are used.

Virola de acero reforzado para eliminar agritarse cuando se utilizan las extensiones.



50AF25300

50MF25300

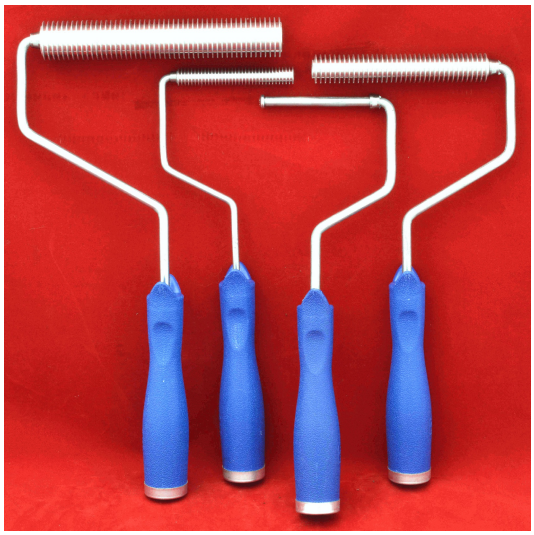


512 Thin Fin Plastic Deluxe

Platico fino de la aleta de lujo

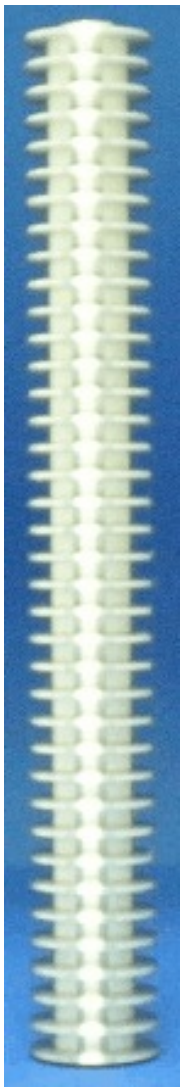


Plastic Handle		Wood Handle
512A/B 037150	3/8" Diameter x 1.5" Long (9.6x 38mm) HDPE Plastic	512M 037150
512A/B 037200	3/8" Diameter x 2" Long (9.6 x 50mm) HDPE Plastic	512M 037200
512A/B 037300	3/8" Diameter x 3" Long (9.6 x 76mm) HDPE Plastic	512M 037300
512A/B 037400	3/8" Diameter x 4" Long (9.6 x 101mm) HDPE Plastic	512M 037400
512A/B 037450	3/8" Diameter x 4.5" Long (9.6 x 114mm) HDPE Plastic	512M 037450
512A/B 037500	3/8" Diameter x 5" Long (9.6 x 128mm) HDPE Plastic	512M 037500
512A/B 037602	3/8" Diameter x 2-3" Long (9.6 x 76mm) HDPE Plastic	512M 037602
512A/B 050150	1/2" Diameter x 1.5" Long (12.3 x 38 mm) HDPE Plastic	512M 050150
512A/B 050200	1/2" Diameter x 2" Long (12.3 x 51 mm) HDPE Plastic	512M 050200
512A/B 050300	1/2" Diameter x 3" Long (12.3 x 76 mm) HDPE Plastic	512M 050300
512A/B 050400	1/2" Diameter x 4" Long (12.3 x 101 mm) HDPE Plastic	512M 050400
512A/B 050450	1/2" Diameter x 4.5" Long (12.3 x 114 mm) HDPE Plastic	512M 050450
512A/B 050500	1/2" Diameter x 5" Long (12.3 x 128 mm) HDPE Plastic	512M 050500
512A/B 050600	1/2" Diameter x 6" Long (12.3 x 152 mm) HDPE Plastic	512M 050600
512A/B 050602	1/2" Diameter x 2-3" Long (12.3 x 76 mm) HDPE Plastic	512M 050602
512A/B 062150	5/8" Diameter x 1.5"Long (15.5 x 38mm) HDPE Plastic	512M 062150
512A/B 062200	5/8" Diameter x 2" Long (15.5 x 50mm) HDPE Plastic	512M 062200
512A/B 062300	5/8" Diameter x 3" Long (15.5 x 76mm) HDPE Plastic	512M 062300
512A/B 062400	5/8" Diameter x 4.5"Long (15.5 x 101mm) HDPE Plastic	512M 062400
512A/B 062450	5/8" Diameter x 4.5"Long (15.5 x 114mm) HDPE Plastic	512M 062450
512A/B 062600	5/8" Diameter x 6"Long (15.5 x 152mm) HDPE Plastic	512M 062600
512A/B 075150	3/4" Diameter x 1.5" Long (18.5 x 38 mm) HDPE Plastic	512M 075150
512A/B 075300	3/4" Diameter x 3" Long (18.5 x 76 mm) HDPE Plastic	512M 075300
512A/B 075400	3/4" Diameter x 4" Long (18.5 x 101 mm) HDPE Plastic	512M 075400
512A/B 075450	3/4" Diameter x 4.5" Long (18.5 x 114 mm) HDPE Plastic	512M 075450
512A/B 075500	3/4" Diameter x 5" Long (18.5 x 127 mm) HDPE Plastic	512M 075500
512A/B 075600	3/4" Diameter x 6" Long (18.5 x 152 mm) HDPE Plastic	512M 075600
512A/B 100150	1" Diameter x 1.5" Long (25 x 38 mm) HDPE Plastic	512M 100150
512A/B 100200	1" Diameter x 2" Long (25 x 50 mm) HDPE Plastic	512M 100200
512A/B 100300	1" Diameter x 3" Long (25 x 76 mm) HDPE Plastic	512M 100300
512A/B 100400	1" Diameter x 4" Long (25 x 101 mm) HDPE Plastic	512M 100400
512A/B 100450	1" Diameter x 4.5" Long (25 x 114 mm) HDPE Plastic	512M 100450
512A/B 100500	1" Diameter x 5" Long (25 x 127 mm) HDPE Plastic	512M 100500
512A/B 100600	1" Diameter x 6" Long (25 x 152 mm) HDPE Plastic	512M 100600
512A/B 100900	1" Diameter x 9" Long (25 x 228 mm) HDPE Plastic	512M 100900
512A/B 125600	1.25" Dia. x 6" Long (32 x 152 mm) HDPE Plastic	512M 125600
512A/B 125800	1.25" Dia. x 8" Long (32 x 203 mm) HDPE Plastic	512M 125800
512A/B 150300	1.5" Diameter x 3" Long (38 x 76mm) HDPE Plastic	512M 150300
512A/B 150600	1.5" Diameter x 6" Long (38 x 152mm) HDPE Plastic	512M 150600
512A/B 200050	2" Diameter x ½" Wide (50 x 12.7 mm) HDPE Plastic	512M 200050
512A/B 200100	2" Diameter x 1.0" Wide (50 x 25 mm) HDPE Plastic	512M 200100
512A/B 200300	2" Diameter x 3" Long (47 x 76 mm) HDPE Plastic	512M 200300
512A/B 200600	2" Diameter x 6" Long (47 x 152 mm) HDPE Plastic	512M 200600
512A/B 200900	2" Diameter x 9" Long (47 x 228 mm) HDPE Plastic	512M 200900



522 Thin Fin Aluminum Deluxe

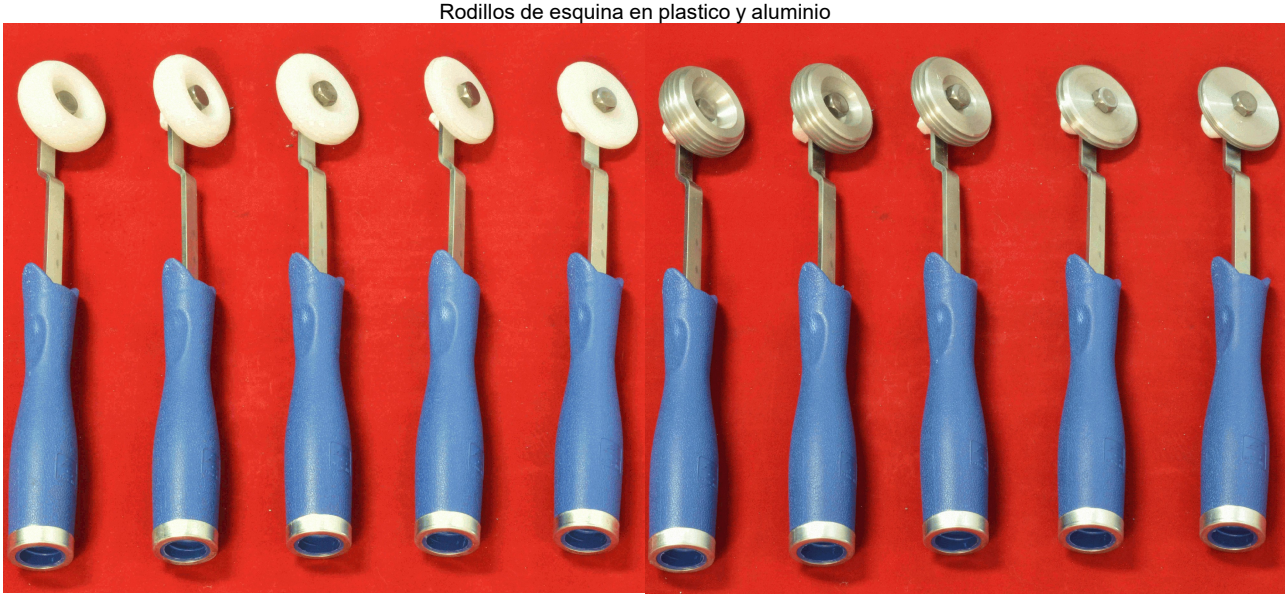
Aluminio fino de la aleta de lujo



Plastic Handle		Wood Handle
522A 037150	3/8" Diameter x 1.5" Long (9.6x 38mm) Aluminum	522M 037150
522A 037200	3/8" Diameter x 2" Long (9.6 x 50mm) Aluminum	522M 037200
522A 037300	3/8" Diameter x 3" Long (9.6 x 76mm) Aluminum	522M 037300
522A 037400	3/8" Diameter x 4" Long (9.6 x 101mm) Aluminum	522M 037400
522A 037450	3/8" Diameter x 4.5" Long (9.6 x 114mm) Aluminum	522M 037450
522A 037500	3/8" Diameter x 5" Long (9.6 x 127mm) Aluminum	522M 037500
522A 037600	3/8" Diameter x 6" Long (9.6 x 152mm) Aluminum	522M 037600
522A 037602	3/8" Diameter x 2-3" Long (9.6 x 76mm) Aluminum	522M 037602
522A 050150	1/2" Diameter x 1.5" Long (12.3 x 38 mm) Aluminum	522M 050150
522A 050200	1/2" Diameter x 2" Long (12.3 x 51 mm) Aluminum	522M 050200
522A 050300	1/2" Diameter x 3" Long (12.3 x 76 mm) Aluminum	522M 050300
522A 050400	1/2" Diameter x 4" Long (12.3 x 101 mm) Aluminum	522M 050400
522A 050450	1/2" Diameter x 4.5" Long (12.3 x 114 mm) Aluminum	522M 050450
522A 050500	1/2" Diameter x 5" Long (12.3 x 127 mm) Aluminum	522M 050500
522A 050600	1/2" Diameter x 6" Long (12.3 x 152 mm) Aluminum	522M 050600
522A 050602	1/2" Diameter x 2-3" Long (12.3 x 76mm) Aluminum	522M 050602
522A 062150	5/8" Diameter x 1.5"Long (15.5 x 38mm) Aluminum	522M 062150
522A 062200	5/8" Diameter x 2.0"Long (15.5 x 50mm) Aluminum	522M 062200
522A 062300	5/8" Diameter x 3.0"Long (15.5 x 76mm) Aluminum	522M 062300
522A 062400	5/8" Diameter x 4.0"Long (15.5 x 101mm) Aluminum	522M 062400
522A 062450	5/8" Diameter x 4.5"Long (15.5 x 114mm) Aluminum	522M 062450
522A 062600	5/8" Diameter x 6" Long (15.5 x 152mm) Aluminum	522M 062600
522A 075150	3/4" Diameter x 1.5" Long (18.5 x 38 mm) Aluminum	522M 075150
522A 075300	3/4" Diameter x 3" Long (18.5 x 76 mm) Aluminum	522M 075300
522A 075400	3/4" Diameter x 4" Long (18.5 x 7101 mm) Aluminum	522M 075400
522A 075450	3/4" Diameter x 4.5" Long (18.5 x 114 mm) Aluminum	522M 075450
522A 075500	3/4" Diameter x 5" Long (18.5 x 127 mm) Aluminum	522M 075500
522A 075600	3/4" Diameter x 6" Long (18.5 x 152 mm) Aluminum	522M 075600
522A 100150	1" Diameter x 1.5" Long (25 x 76 mm) Aluminum	522M 100150
522A 100300	1" Diameter x 2" Long (25 x 51 mm) Aluminum	522M 100300
522A 100400	1" Diameter x 3" Long (25 x 76 mm) Aluminum	522M 100400
522A 100450	1" Diameter x 4.5" Long (25 x 114 mm) Aluminum	522M 100450
522A 100500	1" Diameter x 3" Long (25 x 127 mm) Aluminum	522M 100500
522A 100600	1" Diameter x 6" Long (25 x 152 mm) Aluminum	522M 100600
522A 100800	1" Diameter x 3" Long (25 x 203 mm) Aluminum	522M 100800
522A 100900	1" Diameter x 9" Long (25 x 228 mm) Aluminum	522M 100900
522A 150300	1.5" Diameter x 3" Long (38 x 76mm) Aluminum	522M 150300
522A 150600	1.5" Diameter x 6" Long (38 x 152mm) Aluminum	522M 150600
522A 200300	2" Diameter x 3" Long (47 x 76 mm) Aluminum	522M 200300
522A 200400	2" Diameter x 4" Long (47 x 101 mm) Aluminum	522M 200400
522A 200600	2" Diameter x 6" Long (47 x 152 mm) Aluminum	522M 200600
522A 200800	2" Diameter x 8" Long (47 x 203 mm) Aluminum	522M 200800
522A 200900	2" Diameter x 9" Long (47 x 228 mm) Aluminum	522M 200900

Plastic & Aluminum Corner (Filet) Rollers

Rodillos de esquina en plastico y aluminio



Our corner rollers have been developed over years of research and customer feedback. This could be the most important roller in your tool box. Our corner rollers insure proper lay-out and air relief in the most important part of your laminate, the filet. 5 different radii for a size perferct for your parts. Aluminum and Plastic are machined to the exact same tolerances.We machine our custom mounting stud from hex stock, which eliminates pesky clips and washers. Just use a ½" socket and a Phillips screwdriver. This design allows for easy disassembly for cleaning. It also is a very compact design, utlizing plated flat stock. This design allows our corner rollers to work in tight areas that our competitors do not dare enter!

Plastic Corner (Filet) Rollers (Std. Length)

Rodillo plastico de esquina con (largo estandar)



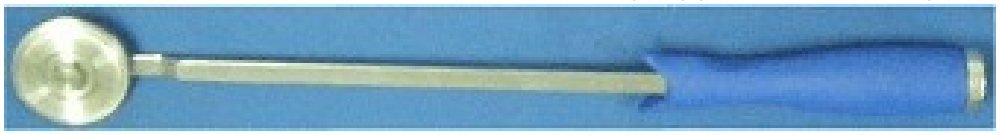
530A-CR2	2"Dia x 1/4" Wide, 1/8" Radius (Filet) (50mm x 6.5mm x 3.2mm Rad.)	530M-CR2
530A-CR3	2"Dia x 3/8" Wide, 3/16" Radius (Filet) (50mm x10mm x 5.0mm Rad.)	530M-CR3
530A-CR4	2"Dia x 1/2" Wide, 1/4" Radius (Filet) (50mm x 13mm x 6.5mm Rad.)	530M-CR4
530A-CR6	2"Dia x 5/8" Wide, 3/8" Radius (Filet) (50mm x 15mm x 10mm Rad.)	530M-CR6
530A-CR8	2"Dia x 3/4" Wide, 1/2" Radius (Filet) (50mm x 18mm x 13mm Rad.)	530M-CR8

Aluminum Corner (Filet) Rollers (Std. Length)

Rodillo de Aluminio de esquina con (largo estandar)



540A-CR2	2"Dia x 1/4" Wide, 1/8" Radius (Filet) (50 x 6.5 x 3.2mm Rad.)	540M-CR2
540A-CR3	2"Dia x 3/8" Wide, 3/16" Radius (Filet) (50 x10 x 5.0mm Rad.)	540M-CR3
540A-CR4	2"Dia x 1/2" Wide, 1/4" Radius (Filet) (50 x 13 x 6.5mm Rad.)	540M-CR4
540A-CR6	2"Dia x 5/8" Wide, 3/8" Radius (Filet) (50 x 15 x 10mm Rad.)	540M-CR6
540A-CR8	2"Dia x 3/4" Wide, 1/2" Radius (Filet) (50 x 18 x 13mm Rad.)	540M-CR8



Plastic Corner (Filet) Rollers (Long Frame)

Rodillo plastico de esquina con (marco largo)



530A-CR2L	2"Dia x 1/4" Wide, 1/8" Radius (Filet) (50 x 6.5 x 3.2mm Rad.)	530M-CR2L
530A-CR3L	2"Dia x 3/8" Wide, 3/16" Radius (Filet) (50 x10 x 5.0mm Rad.)	530M-CR3L
530A-CR4L	2"Dia x 1/2" Wide, 1/4" Radius (Filet) (50 x 13 x 6.5mm Rad.)	530M-CR4L
530A-CR6L	2"Dia x 5/8" Wide, 3/8" Radius (Filet) (50 x 15 x 10mm Rad.)	530M-CR6L
530A-CR8L	2"Dia x 3/4" Wide, 1/2" Radius (Filet) (50 x 18 x 13mm Rad.)	530M-CR8L

Aluminum Corner (Filet) Rollers (Long Frame)

Rodillo de Aluminio de esquina con (marco largo)

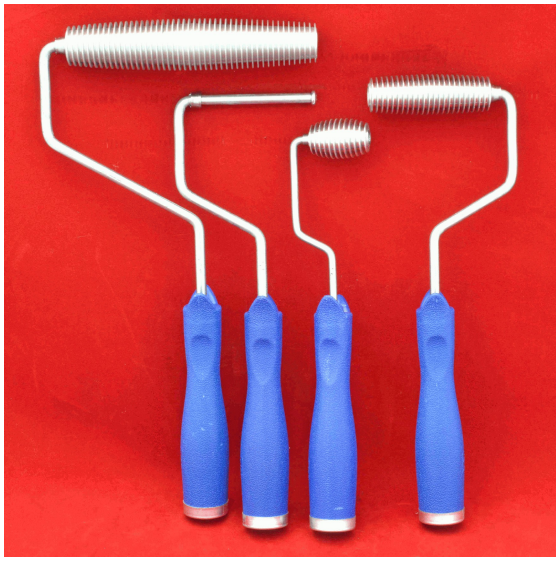


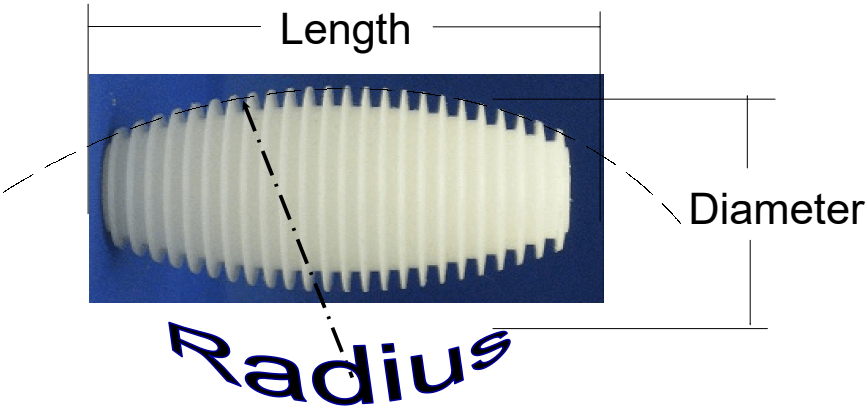
540A-CR2L	2"Dia x 1/4" Wide, 1/8" Radius (Filet) (50 x 6.5 x 3.2mm Rad.)	540M-CR2L
540A-CR3L	2"Dia x 3/8" Wide, 3/16" Radius (Filet) (50 x10 x 5.0mm Rad.)	540M-CR3L
540A-CR4L	2"Dia x 1/2" Wide, 1/4" Radius (Filet) (50 x 13 x 6.5mm Rad.)	540M-CR4L
540A-CR6L	2"Dia x 5/8" Wide, 3/8" Radius (Filet) (50 x 15 x 10mm Rad.)	540M-CR6L
540A-CR8L	2"Dia x 3/4" Wide, 1/2" Radius (Filet) (50 x 18 x 13mm Rad.)	540M-CR8L



Radius or Barrel Rollers

For use on concave parts that are impossible to laminate properly with conventional strate rollers. Deep machined fins for excellent air relief. A wide range of sizes and radii to accomodate most concave mold applications. Available in aluminum and HDPE.





552A 150 30R03

Style
Handle
Diameter
Length
Radius

552 Thin Fin Radius Plastic Standard

Rodillo estandar plastico de radio fino



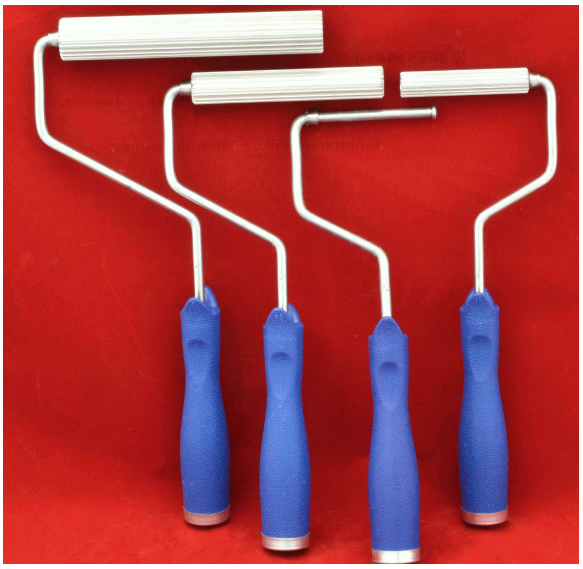
Plastic Handle		Wood Handle
352A/B 07520R04	3/4" Diameter x 2" Long w/4" Radius (18mm x 50mm w/100mm Radius)	352M 07520R04
552A 10015R02	1" Diameter x 1.5" Long w/2" Radius (25mm x 38mm w/50.8mm Radius)	552M 10015R02
552A 10030R15	1" Diameter x 3" Long w/15" Radius (25mm x 75mm w/381mm Radius)	552M 10030R15
552A 12560R30	1.25" Diameter x 6" Long w/30" Radius (31mm x 150mm w/762mm Radius)	552M 12560R30
552A15030R03	1.5" Diameter. x 3" Long w/3.5" Radius (38mm x 75mm w/84mm Radius)	552M 15030R03
552A 20030R30	2" Diameter x 3" Long w/30" Radius) (50mm x 75mm w/762mm Radius)	552M 20030R30

562 Thin Fin Radius Aluminum Standard

Rodillo estandar de aluminio con radio fino



562A 10015R02	1" Diameter x 1.5" Long w/2" Radius (25mm x 38mm w/50.8mm Radius)	562M 10015R02
562A 10030R15	1" Diameter x 3" Long w/15" Radius (25mm x 75mm w/381mm Radius)	562M 10030R15
562A 12520R04	1.5" Diameter x 2.0" Long w/4" Radius) (38mm x 50mm w/101mm Radius)	562M 12520R04
562A 12560R30	1.25" Diameter x 6" Long w/30" Radius) (31mm x 150mm w/762mm Radius)	562M 12560R30
562A 16215R01	1 5/8" Diameter x 1.5" Long w/1" Radius (40mm x 25mm w/25.4mm Radius)	562M 16215R01
562A 16230R03	1 5/8" Diameter x 3" Long w/3.5" Radius (40mm x 75mm w/84mm Radius)	562M 16230R03
562A 20030R30	2" Diameter x 3" Long w/30" Radius (50mm x 75mm w/762mm Radius)	562M 20030R30



572 Aluminum Long Groove (Paddle) Deluxe

Rodillo de aluminio de surco largo con (paleta) de lujo

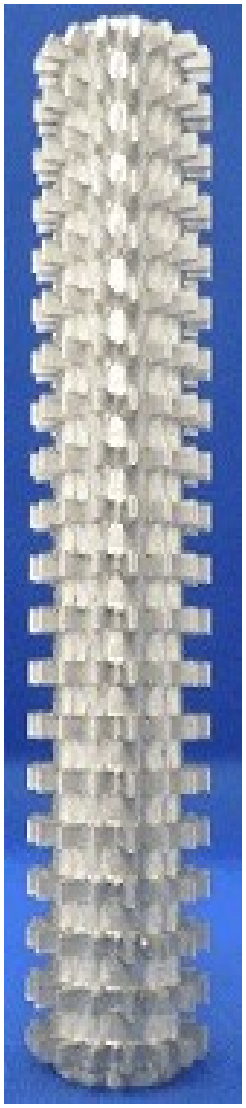


Blue Handle		Wood Handle
572A/B 037150	3/8" Diameter x 1.5" Long (9.6 x 38 mm)	572M 037150
572A/B 037200	3/8" Diameter x 2" Long (9.6 x 50 mm)	572M 037200
572A/B 037300	3/8" Diameter x 3" Long (9.6 x 76 mm)	572M 037300
572A/B 037400	3/8" Diameter x 4" Long (9.6 x 101 mm)	572M 037400
572A/B 037450	3/8" Diameter x 4.5" Long (9.6 x 114 mm)	572M 037450
572A/B 037500	3/8" Diameter x 5" Long (9.6 x 127 mm)	572M 037500
572A/B 037600	3/8" Diameter x 6" Long (9.6 x 152mm)	572M 037600
572A/B 060200	1/2" Diameter x 2" Long (15.1 x 50 mm)	572M 060200
572A/B 060300	1/2" Diameter x 3" Long (15.1 x 76 mm)	572M 060300
572A/B 060400	1/2" Diameter x 4" Long (15.1 x 101 mm)	572M 060400
572A/B 060450	1/2" Diameter x 4.5" Long (15.1 x 114 mm)	572M 060450
572A/B 060500	1/2" Diameter x 5" Long (15.1 x mm)	572M 060500
572A/B 060600	1/2" Diameter x 6" Long (15.1 x 127 mm)	572M 060600
572A/B 075200	3/4" Diameter x 2" Long (18.5 x 50 mm)	572M 075200
572A/B 075300	3/4" Diameter x 3" Long (18.5 x 76 mm)	572M 075300
572A/B 075400	3/4" Diameter x 4" Long (18.5 x 101 mm)	572M 075500
572A/B 075450	3/4" Diameter x 4.5" Long (18.5 x 114 mm)	572M 075450
572A/B 075500	3/4" Diameter x 5" Long (18.5 x 127 mm)	572M 075500
572A/B 075600	3/4" Diameter x 6" Long (18.5 x 152 mm)	572M 075600
572A/B 075700	3/4" Diameter x 7" Long (18.5 x 178 mm)	572M 075700
572A/B 075900	3/4" Diameter x 9" Long (18.5 x 228 mm)	572M 075900
572A/B 100200	1.0" Diameter x 2" Long (25 x 50 mm)	572M100200
572A/B 100300	1.0" Diameter x 3" Long (25 x 76 mm)	572M100300
572A/B 100450	1.0" Diameter x 4.5" Long (25 x 114 mm)	572M100450
572A/B 100500	1.0" Diameter x 3" Long (25 x 127 mm)	572M100500
572A/B 100600	1.0" Diameter x 6" Long (25 x 152 mm)	572M100600
572A/B 100900	1.0" Diameter x 9" Long (25 x 228 mm)	572M100900
572A/B 200300	2" Diameter x 3" Long (48 x 76 mm)	572M 200300
572A/B 200400	2" Diameter x 4" Long (48 x 101 mm)	572M 200400
572A/B 200600	2" Diameter x 6" Long (48 x 152 mm)	572M 200600
572A/B 200700	2" Diameter x 7" Long (48 x 177 mm)	572M 200700
572A/B 200900	2" Diameter x 9" Long (30 x 228 mm)	572M 200900

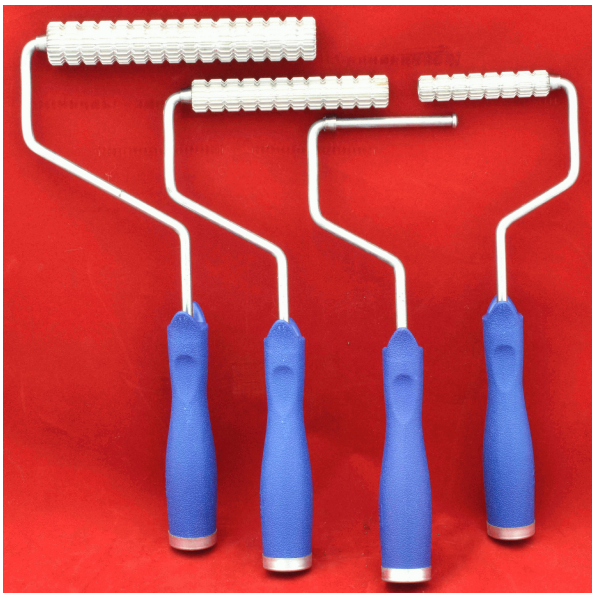


574 Aluminum Bubble Buster (Spiked) Deluxe

Rodillo rompe burbujas (claveteado) de lujo

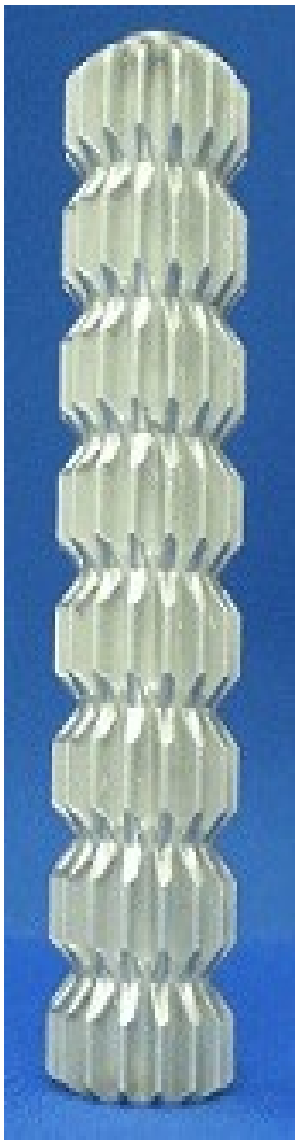


Blue Handle		Wood Handle
574A/B 037150	3/8" Diameter x 1.5" Long (9.6 x 38 mm)	574M 037150
574A/B 037200	3/8" Diameter x 2" Long (9.6 x 50 mm)	574M 037200
574A/B 037300	3/8" Diameter x 3" Long (9.6 x 76 mm)	574M 037300
574A/B 037400	3/8" Diameter x 3" Long (9.6 x 101 mm)	574M 037400
574A/B 037450	3/8" Diameter x 4.5" Long (9.6 x 114 mm)	574M 037450
574A/B 037500	3/8" Diameter x 5" Long (9.6 x 101 mm)	574M 037500
574A/B 037600	3/8" Diameter x 6" Long (9.6 x 152mm)	574M 037600
574A/B 037602	3/8" Diameter x 6" (2x3 Long (9.6 x 76 mm)	574M 037602
574A/B 060200	1/2" Diameter x 2" Long (15.1 x 50 mm)	574M 060200
574A/B 060300	1/2" Diameter x 3" Long (15.1 x 76 mm)	574M 060300
574A/B 060400	1/2" Diameter x 4" Long (15.1 x 101 mm)	574M 060400
574A/B 060450	1/2" Diameter x 4.5" Long (15.1 x 114 mm)	574M 060450
574A/B 060500	1/2" Diameter x 5" Long (15.1 x 127 mm)	574M 060500
574A/B 060600	1/2" Diameter x 6" Long (15.1 x 152 mm)	574M 060600
574A/B 075200	3/4" Diameter x 2" Long (18.5 x 50 mm)	574M 075200
574A/B 075300	3/4" Diameter x 3" Long (18.5 x 76 mm)	574M 075300
574A/B 075400	3/4" Diameter x 3" Long (18.5 x 76 mm)	574M 075400
574A/B 075450	3/4" Diameter x 4.5" Long (18.5 x 114 mm)	574M 075450
574A/B 075500	3/4" Diameter x 3" Long (18.5 x 127 mm)	574M 075500
574A/B 075600	3/4" Diameter x 6" Long (18.5 x 152 mm)	574M 075600
574A/B 075700	3/4" Diameter x 7" Long (18.5 x 178 mm)	574M 075700
574A/B 075900	3/4" Diameter x 9" Long (18.5 x 228 mm)	574M 075900
574A/B 100200	1.0" Diameter x 2" Long (25 x 50 mm)	574M100200
574A/B 100300	1.0" Diameter x 3" Long (25 x 76 mm)	574M100300
574A/B 100450	1.0" Diameter x 4.5" Long (25 x 114 mm)	574M100450
574A/B 100600	1.0" Diameter x 6" Long (25 x 152 mm)	574M100600
574A/B 100900	1.0" Diameter x 9" Long (25 x 228 mm)	574M100900
574A/B 200300	2" Diameter x 3" Long (48 x 76 mm)	574M 200300
574A/B 200400	2" Diameter x 4" Long (48 x 101 mm)	574M 200400
574A/B 200600	2" Diameter x 6" Long (48 x 152 mm)	574M 200600
574A/B 200700	2" Diameter x 3" Long (48 x 178 mm)	574M 200700
574A/B 200900	2" Diameter x 9" Long (30 x 228 mm)	574M 200900



576 Aluminum Hybrid (Slotted Paddle) Deluxe

Rodillo de aluminio hibrido con (paleta ranurada) de lujo



Plastic Handle		Wood Handle
576A/B 037150	3/8" Diameter x 1.5" Long (9.6 x 38 mm)	576M 037150
576A/B 037200	3/8" Diameter x 2" Long (9.6 x 50 mm)	576M 037200
576A/B 037300	3/8" Diameter x 3" Long (9.6 x 76 mm)	576M 037300
576A/B 037400	3/8" Diameter x 4" Long (9.6 x 101 mm)	576M 037400
576A/B 037450	3/8" Diameter x 4.5" Long (9.6 x 114 mm)	576M 037450
576A/B 037500	3/8" Diameter x 5" Long (9.6 x 127 mm)	576M 037500
576A/B 037600	3/8" Diameter x 6" Long (9.6 x 152mm)	576M 037600
576A/B 060200	1/2" Diameter x 2" Long (15.1 x 50 mm)	576M 060200
576A/B 060300	1/2" Diameter x 3" Long (15.1 x 76 mm)	576M 060300
576A/B 060400	1/2" Diameter x 4" Long (15.1 x 101 mm)	576M 060400
576A/B 060450	1/2" Diameter x 4.5" Long (15.1 x 114 mm)	576M 060450
576A/B 060500	1/2" Diameter x 5" Long (15.1 x 127 mm)	576M 060500
576A/B 060600	1/2" Diameter x 6" Long (15.1 x 152 mm)	576M 060600
576A/B 075200	3/4" Diameter x 2" Long (18.5 x 50 mm)	576M 075200
576A/B 075300	3/4" Diameter x 3" Long (18.5 x 76 mm)	576M 075300
576A/B 075400	3/4" Diameter x 4" Long (18.5 x 101 mm)	576M 075400
576A/B 075450	3/4" Diameter x 4.5" Long (18.5 x 114 mm)	576M 075450
576A/B 075500	3/4" Diameter x 5" Long (18.5 x 101 mm)	576M 075500
576A/B 075600	3/4" Diameter x 6" Long (18.5 x 152 mm)	576M 075600
576A/B 075700	3/4" Diameter x 7" Long (18.5 x 178 mm)	576M 075300
576A/B 075900	3/4" Diameter x 9" Long (18.5 x 228 mm)	576M 075900
576A/B 100200	1.0" Diameter x 2" Long (25 x 50 mm)	576M100200
576A/B 100300	1.0"Diameter x 3" Long (25 x 76 mm)	576M100300
576A/B 100450	1.0" Diameter x 4.5" Long (25 x 114 mm)	576M100450
576A/B 100500	1.0" Diameter x 5" Long (25 x 127 mm)	576M100500
576A/B 100600	1.0" Diameter x 6" Long (25 x 152 mm)	576M100600
576A/B 100900	1.0" Diameter x 9" Long (25 x 228 mm)	576M100900
576A/B 200300	2" Diameter x 3" Long (48 x 76 mm)	576M 200300
576A/B 200400	2" Diameter x 4" Long (48 x 76 mm)	576M 200400
576A/B 200600	2" Diameter x 6" Long (48 x 152 mm)	576M 200600
576A/B 200700	2" Diameter x 7" Long (48 x 177 mm)	576M 200700
576A/B 200900	2" Diameter x 9" Long (48 x 228 mm)	576M 200900



582 Plastic Bubble Buster (Spiked) Deluxe

Rodillo plastico rompe burbujas (Claveteado) de lujo

Exclusive to ES Manufaturing. We have been supplying the Epoxy flooring, structural concrete and concrete countertops industries for decades.

* HDPE roller head for long life and no bleed in acidic materials.
* Deep Cross-Cut grooves that help to bond and force reinforcements into base materials.
* 2" diameter feature 1/4" (6.4mm) deep square “spikes” for very thick laminates.
* All 582's utilize our heavy duty frames designed for composites, available with ferruled plastic or wood.



582A/B 075300	3/4" Diameter x 3" Long (18.5 x 76 mm)	582M 075300
582A/B 075450	3/4" Diameter x 4.5" Long (18.5 x 114 mm)	582M 075450
582A/B 075600	3/4" Diameter x 6" Long (18.5 x 152 mm)	582M 075600
582A/B 100300	1" Diameter x 3" Long (30 x 76 mm)	582M100300
582A/B 100450	1" Diameter x 4.5" Long (30 x 114 mm)	582M100450
582A/B 100600	1" Diameter x 6" Long (30 x 152 mm)	582M100600
582A/B 200300	2" Diameter x 3" Long (48 x 76 mm)	582M 200300
582A/B 200600	2" Diameter x 6" Long (48 x 152 mm)	582M 200600
582A/B 200900	2" Diameter x 9" Long 48 x 228 mm)	582M 200900



Plastic Bubble Buster Panel Rollers

Rodillo de panel plastico rompe burbujas

Panel Roller Assemblies		Refills
584AP 200600	2” Diameter x 6” Lg (50mm x 150mm)	5H8220060PBM
584AP 200900	2” Diameter x 9” Lg (50mm x 225mm)	5H8220090PBM
584AP 2001200	2” Diameter x 12” Lg (50mm x 300mm)	5H8420012PBM



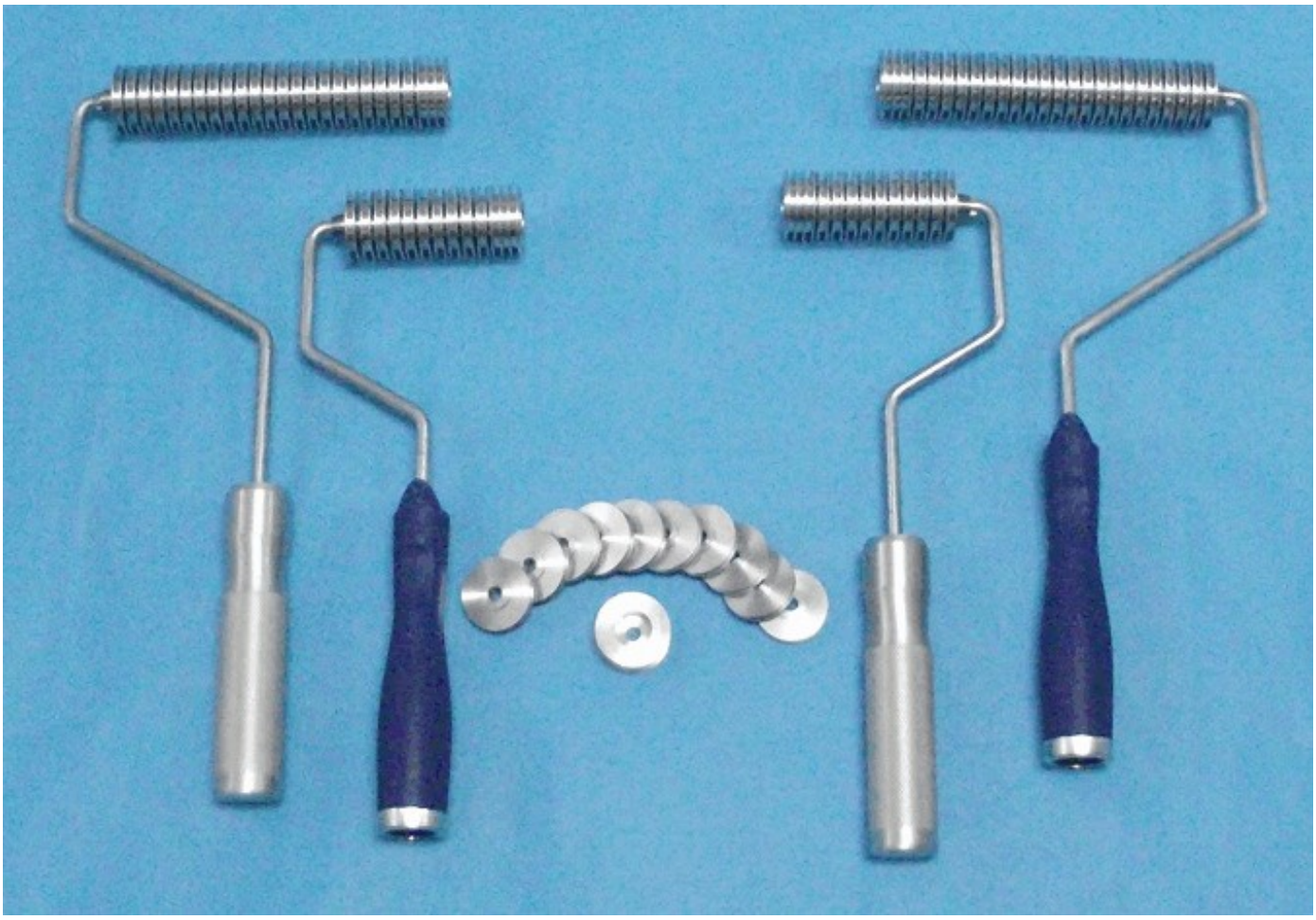
Aluminum Bubble Buster Panel Rollers

Rodillo de panel rompe burbajas en aluminio

Panel Roller Assemblies		Refills
574AP 200600	2” Diameter x 6” Lg. (50mm x 150mm)	5H74 20060ABM
574AP 200900	2” Diameter x 9” Lg. (50mm x 225mm)	5H74 20090ABM
574AP 2001200	2” Diameter x 12” Lg. (50mm x 300mm)	5H74 20012ABM
574AP 2001800	2” Diameter x 18” Lg. (50mm x 448mm)	5H74 20018ABM

620 Series Aluminum Segmented

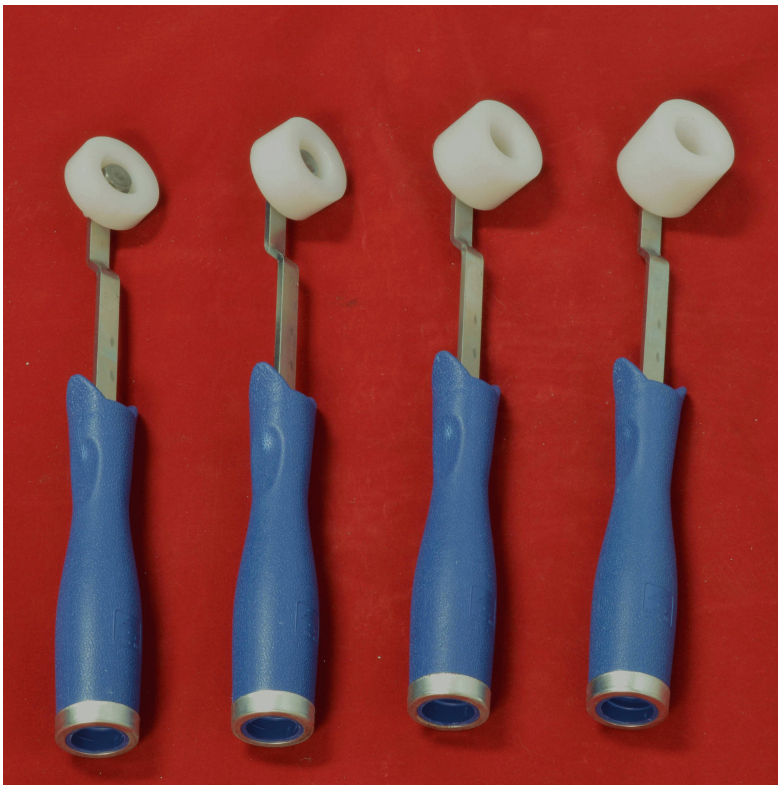
(made from 1/4" long individual finned segments)



This newest design from ES is made from individual sections of 2 fins each, with a 4 finned counterbored end piece. Individual sections can be replaced if damaged or improperly cleaned. These rollers are attached with our famous “stake lock” collar and our screw in frame design. We insert a steel washer under the screw head for a larger retention area and longer life. Available in 3", 4", 4.5", 5" and 6" length with 1 1/4" diameter. 620 series is available with our new and exclusive solid knurled aluminum handle. Now in stock for immediate delivery.

Aluminum Solid Handle	Description	Deluxe Blue Handle
620AL125300	1.25" x 3" (32mm x 75mm)	620A125300
620AL125400	1.25" x 4" (32mm x 100mm)	620A125400
620AL125450	1.25" x 4.5" (32mm x 114mm)	620A125450
620AL125500	1.25" x 5" (32mm x 126mm)	620A125500
620AL125600	1.25" x 6 (32mm x 152mm)	620A125600
6H2012525AS	1.25" x 0.25 (32mm x 6.35mm)	Standard Section
6H2012550ASE	1.25" x 0.50 (32mm x 12.7mm)	End Section

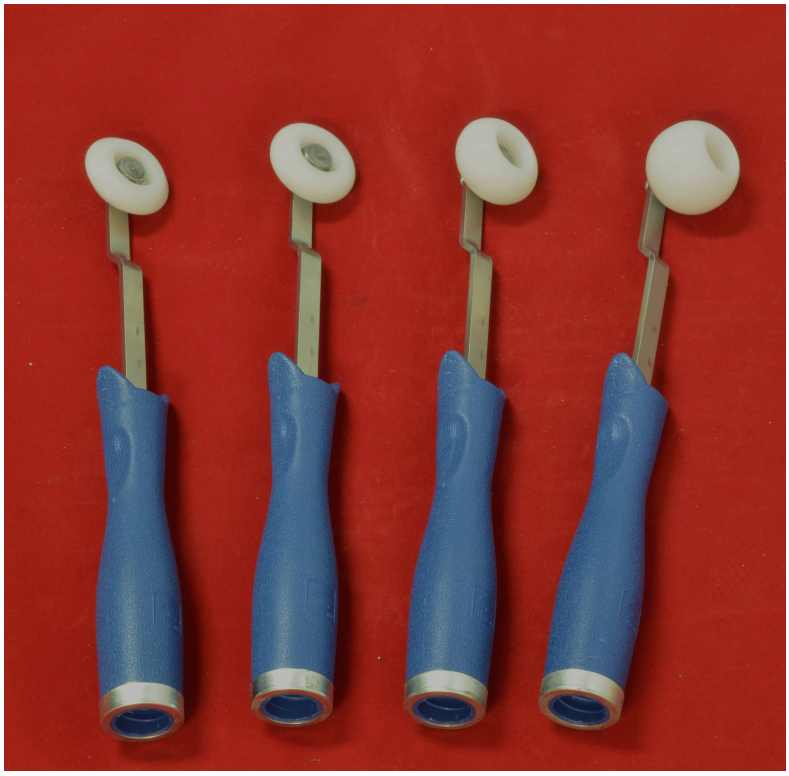
Rollers for Vacuum Infusion & RTM Lite



Series 504
Tape Application Rollers

These rollers will assist in applying sealent tape evenly for a better bond and longer tape life. HDPE design will not damage the tape or film during the aplication. No mold damage or tape kinks when properly used.

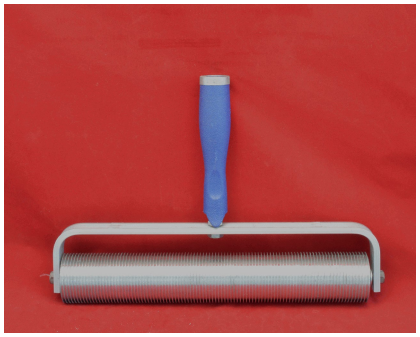
(From left to right)
504A150050 1.5 Dia. x ½" wide
504A150075 1.5 Dia. x 3/4" wide
504A150100 1.5 Dia. x 7/8" wide
504A150125 1.5 Dia. x 1-½" wide.



Series 508
Radius Compression Rollers

These rollers will assist in pushing glass and resin evenly into corners & filets both before and after vacuum is applied. Proper usage will dramatically reduce the number of voids while maintaining consistant part thickness.

(From left to right)
508A1500512 1.5 x ½" w /1/8" R
508A1500525 1.5 x ½" w /1/4" R
508A1500950 1.5 x 7/8" w /½" R
508A1501262 1.5 x 1-1/4"w /5/8" R



Aluminum Finned Panel Rollers

Rodillos aleteados de panel de aluminio

Panel Assembly		Refill
524AP 200600	2” Diameter x 6” Lg. (50mm x 150mm)	5H24 20060AS
524AP 200900	2” Diameter x 9” Lg. (50mm x 225mm)	5H24 20090AS
524AP 2001200	2” Diameter x 12” Lg. (50mm x 300mm)	5H24 20012AS
524AP 2001800	2” Diameter x 18” Lg. (50mm x 448mm)	5H24 20018AS



Plastic Finned Panel Rollers

Rodillos aleteados de panel plastico

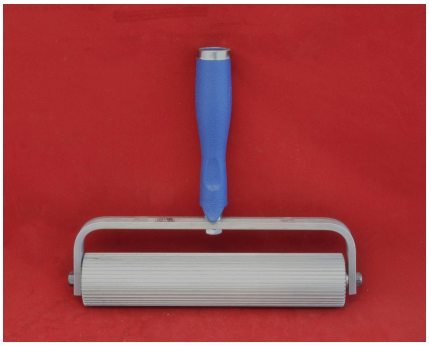
514AP 200600	2” Diameter x 6” Lg. (50mm x 150mm)	8H10 20060PS
514AP 200900	2” Diameter x 9” Lg. (50mm x 225mm)	8H10 20090PS
514AP 2001200	2” Diameter x12” Lg.(50mm x 300mm)	8H10 20012PS



Aluminum Radius Panel Rollers

Rodillo de aluminio y panel radio

564AP 20060R60	2” Diameter x 6” Lg. w/60” Rad (50 x 150 w/ 1500mm)	5H64 20060R60
564AP 20060R30	2” Diameter x 6” Lg. w/30” Rad (50 x 150 w/ 750mm)	5H64 20060R30



Aluminum Paddle Panel Rollers

Rodillo de paleta de aluminio y panel

572AP 200600	2” Diameter x 6” Lg. (50mm x 150mm)	5H72 20060LM
572AP 200900	2” Diameter x 9” Lg. (50mm x 225mm)	5H72 20090LM
572AP 2001200	2” Diameter x 12” Lg. (50mm x 300mm)	5H72 20012LM
572AP 2001800	2” Diameter x 18” Lg. (50mm x 448mm)	5H72 20018LM



Aluminum Slotted Paddle Panel Rollers

Rodillo de aluminio ranurado de paleta con panel

576AP 200600	2” Diameter x 6” Lg. (50mm x 150mm)	5H76 20060SLM
576AP 200900	2” Diameter x 9” Lg. (50mm x 225mm)	5H76 20090SLM
576AP 2001200	2” Diameter x 12” Lg. (50mm x 300mm)	5H76 20012SLM
576AP 2001800	2” Diameter x 18” Lg. (50mm x 448mm)	5H76 20018SLM

Plastic Economy Rollers

Rodillos Economicos



Plastic Economy w/Wire

Rodillo economico de surco espiral plastico com alambre

Wire Handle/*Mango de Alambre*

110W050300	1/2" Diameter x 3" Long	(14mm x 75mm)
110W075300	3/4" Diameter x 3" Long	(18mm x 75mm)
110W100300	1" Diameter x 3" Long	(25mm x 75mm)

Plastic Economy Roller w/Washer



Plastic Economy Handle

210E 037100	3/8" Diameter x 1" Long	(9.6 x 25mm)
210E 037150	3/8" Diameter x 1.5" Long	(9.6 x 38mm)
210E 037200	3/8" Diameter x 2" Long	(9.6 x 51mm)
210E 037300	3/8" Diameter x 3" Long	(9.6 x 76mm)
210E 037400	3/8" Diameter x 4" Long	(9.6 x 101mm)
210E 037450	3/8" Diameter x 4.5" Long	(9.6 x 114mm)
210E 037500	3/8" Diameter x 5" Long	(9.6 x 127mm)
210E 037602	3/8" Diameter x 2-3" Long	(9.6 x 76mm)
210E 050100	½" Diameter x 1" Long	(12.3 x 25mm)
210E 050150	½" Diameter x 1.5" Long	(12.3 x 38mm)
210E 050200	½" Diameter x 2" Long	(12.3 x 51mm)
210E 050300	½" Diameter x 3" Long	(12.3 x 76mm)
210E 050400	½" Diameter x 4" Long	(12.3 x 101mm)
210E 050450	½" Diameter x 4.5" Long	(12.3 x 114mm)
210E 050500	½" Diameter x 5" Long	(12.3 x 127mm)
210E 050602	½" Diameter x 2-3" Long	(12.3 x 76mm)
210E 062150	5/8" Diameter x 1.5"Long	(15.5 x 38mm)
210E 062300	5/8" Diameter x 3.0"Long	(15.5 x 76mm)
210E 075150	3/4" Diameter x 1.5"Long	(18.5 x 38mm)
210E 075300	3/4" Diameter x 3" Long	(18.5 x 76 mm)
210E 100150	1" Diameter x 1.5"Long	(25 x 38mm)
210E 100300	1" Diameter x 3" Long	(25 x 76mm)

Aluminum Economy Rollers

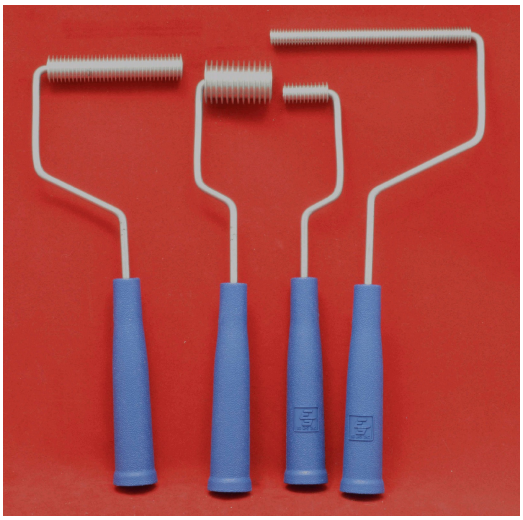
Rodillos Economicos



1/4" Aluminum Economy Washerless

Plastic Economy Handle

220E 025100	1/4" Diameter x 1" Long	(6.5 x 25mm)
220E 025150	1/4" Diameter x 1.5" Long	(6.5 x 38mm)
220E 025200	1/4" Diameter x 2" Long	(6.5 x 51mm)
220E 025300	1/4" Diameter x 3" Long	(6.5 x 76mm)
220E 025400	1/4" Diameter x 4" Long	(6.5 x 101mm)



Aluminum Economy Roller w/Washer

Plastic Economy Handle

220E 037100	3/8" Diameter x 1" Long	(9.6 x 25mm)
220E 037150	3/8" Diameter x 1.5" Long	(9.6 x 38mm)
220E 037200	3/8" Diameter x 2" Long	(9.6 x 51mm)
220E 037300	3/8" Diameter x 3" Long	(9.6 x 76mm)
220E 037400	3/8" Diameter x 4" Long	(9.6 x 101mm)
220E 037450	3/8" Diameter x 4.5" Long	(9.6 x 114mm)
220E 037500	3/8" Diameter x 5" Long	(9.6 x 127mm)
220E 037602	3/8" Diameter x 2-3" Long	(9.6 x 76mm)
220E 050100	½" Diameter x 1" Long	(12.3 x 25mm)
220E 050150	½" Diameter x 1.5" Long	(12.3 x 38mm)
220E 050200	½" Diameter x 2" Long	(12.3 x 51mm)
220E 050300	½" Diameter x 3" Long	(12.3 x 76mm)
220E 050400	½" Diameter x 4" Long	(12.3 x 101mm)
220E 050450	½" Diameter x 4.5" Long	(12.3 x 114mm)
220E 050500	½" Diameter x 5" Long	(12.3 x 127mm)
220E 050602	½" Diameter x 2-3" Long	(12.3 x 76mm)
220E 062150	5/8" Diameter x 1.5"Long	(15.5 x 38mm)
220E 062300	5/8" Diameter x 3.0"Long	(15.5 x 76mm)
220E 075150	3/4" Diameter x 1.5"Long	(18.5 x 38mm)
220E 075300	3/4" Diameter x 3" Long	(18.5 x 76mm)
220E 100150	1.0" Diameter x 1.5"Long	(25 x 38mm)
220E 100300	1.0" Diameter x 3" Long	(25 x 76 mm)

Aluminum Economy Long Groove (Paddle) Roller

Rodillo economico de paleta de surco largo



272E 037100	3/8" Diameter x 1.0" Long	(10mm x 25mm
272E 037150	3/8" Diameter x 1.5" Long	(10mm x 38mm
272E 037200	3/8" Diameter x 2.0" Long	(10mm x 50mm
272E 037300	3/8" Diameter x 3" Long	(10mm x 75mm)
272E 037400	3/8" Diameter x 4" Long	(10mm x 100mm)
272E 037450	3/8" Diameter x 4.5" Long	(10mm x115mm)
272E 037500	3/8" Diameter x 5" Long	(10mm x 127mm)
272E 037602	3/8" Diameter x 2-3" Long	(10mm x 2-75mm)

Aluminum Economy Bubble Buster (Spiked) Roller

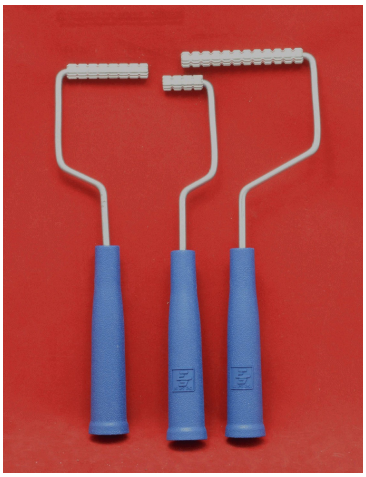
Rodillo economico claveteado rompe burbujas de aluminio



274E 037100	3/8" Diameter x 1.0" Long	(10mm x 25mm)
274E 037150	3/8" Diameter x 1.5" Long	(10mm x 38mm)
274E 037200	3/8" Diameter x 2.0" Long	(10mm x 50mm)
274E 037300	3/8" Diameter x 3" Long	(10mm x 75mm)
274E 037400	3/8" Diameter x 4" Long	(10mm x 100mm)
274E 037450	3/8" Diameter x 4.5" Long	(10mm x115mm)
274E 037500	3/8" Diameter x 5" Long	(10mm x 127mm)
274E 037602	3/8" Diameter x 2-3" Long	(10mm x 2-75mm)

Aluminum Economy Hybrid (Slot.Paddle) Roller

Rodillo hibrido economico de paleta ranurada



276E 037100	3/8" Diameter x 1.0" Long	(10mm x 25mm)
276E 037150	3/8" Diameter x 1.5" Long	(10mm x 38mm)
276E 037200	3/8" Diameter x 2.0" Long	(10mm x 50mm)
276E 037300	3/8" Diameter x 3" Long	(10mm x 75mm)
276E 037400	3/8" Diameter x 4" Long	(10mm x 100mm)
276E 037450	3/8" Diameter x 4.5" Long	(10mm x115mm)
276E 037500	3/8" Diameter x 5" Long	(10mm x 127mm)
276E 037602	3/8" Diameter x 2-3" Long	(10mm x 2-75mm)

Economy Mini Rollers

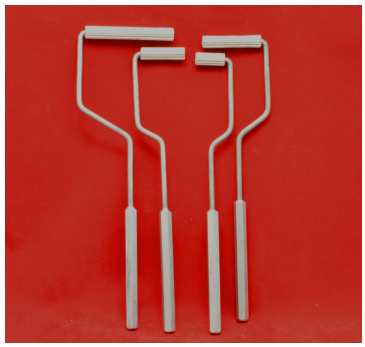
Rodillos Economicos



Thin Fin Mini Rollers

Aluminum Handle

220AL025100	1/4” Diameter x 1.0” Long	(6.5mm x 25mm)
220AL025150	1/4” Diameter x 1.5” Long	(6.5mm x 38mm)
220AL025200	1/4” Diameter x 2.0” Long	(6.5mm x 50mm)
220AL025300	1/4” Diameter x 3.0” Long	(6.5mm x 75mm)
220AL025400	1/4” Diameter x 4.0” Long	(6.5mm x 101mm)
220AL037100	3/8” Diameter x 1.0” Long	(10mm x 25mm)
220AL037150	3/8” Diameter x 1.5” Long	(10mm x 38mm)
220AL037200	3/8” Diameter x 2.0” Long	(10mm x 50mm)
220AL037300	3/8” Diameter x 3.0” Long	(10mm x 75mm)



Long Grooved (Paddle) Mini Rollers

Aluminum Handle

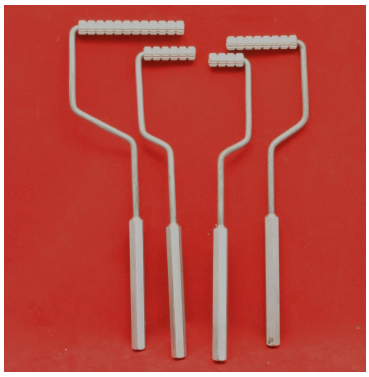
272AL037100	3/8” Diameter x 1.0” Long	(10mm x 25mm)
272AL037150	3/8” Diameter x 1.5” Long	(10mm x 38mm)
272AL037200	3/8” Diameter x 2.0” Long	(10mm x 50mm)
272AL037300	3/8” Diameter x 3.0” Long	(10mm x 75mm)



Bubble Buster (Spiked) Mini Rollers

Aluminum Handle

274AL037100	3/8” Diameter x 1.0” Long	(10mm x 25mm)
274AL037150	3/8” Diameter x 1.5” Long	(10mm x 38mm)
274AL037200	3/8” Diameter x 2.0” Long	(10mm x 50mm)
274AL037300	3/8” Diameter x 3.0” Long	(10mm x 75mm)



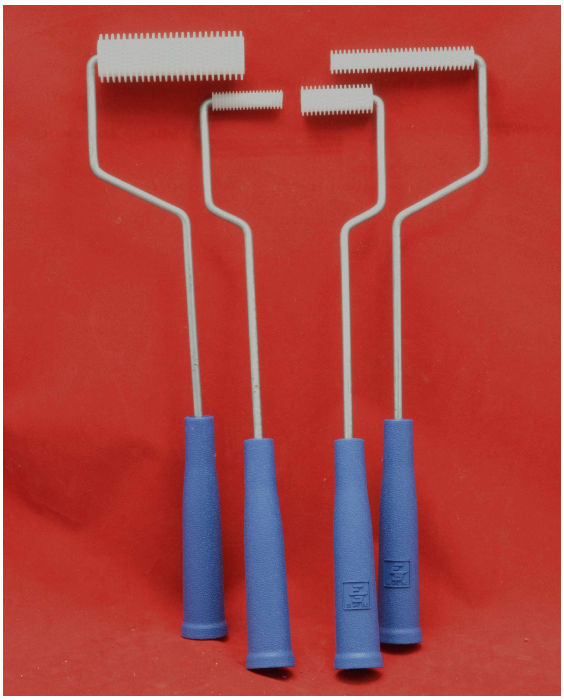
Hybrid (Slotted Paddle) Mini Rollers

Aluminum Handle

276AL037100	3/8” Diameter x 1.0” Long	(10mm x 25mm)
276AL037150	3/8” Diameter x 1.5” Long	(10mm x 38mm)
276AL037200	3/8” Diameter x 2.0” Long	(10mm x 50mm)
276AL037300	3/8” Diameter x 3.0” Long	(10mm x 75mm)

Economy XL

Our new extended frame is perfect for hard to reach lamination jobs. The collarless and washer less design allows lamination in the tightest mold areas. Our compact, textured blue handle offers superior grip when compared to other economy handles and is bored undersize to remain secure on the steel frame. Each roller head is machined to the same standard as our deluxe rollers and our frames are made from strong, 3/16" galvanized steel for long life.



Plastic Thin Fin

310E 037 150XL	3/8" x 1.5" (10 x 38mm)
310E 037 300XL	3/8" x 3.0" (10 x 75mm)
310E 050 150XL	½" x 1.5" (13 x 38mm)
310E 050 300XL	½" x 3.0" (13 x 75mm)
310E 062 150XL	5/8" x 1.5" (15 x 38mm)
310E 062 300XL	5/8" x 3.0" (15 x 75mm)
310E 075 300XL	3/4" x 3.0" (18 x 75mm)
310E 100 150XL	1" x 1.5" (25 x 38mm)
310E 100 300XL	1" x 3.0" (25 x 75mm)



Aluminum Thin Fin

320E 037 150XL	3/8" x 1.5" (10 x 38mm)
320E 037 300XL	3/8" x 3.0" (10 x 75mm)
320E 050 150XL	½" x 1.5" (13 x 38mm)
320E 050 300XL	½" x 3.0" (13 x 75mm)
320E 062 150XL	5/8" x 1.5" (15 x 38mm)
320E 062 300XL	5/8" x 3.0" (15 x 75mm)
320E 075 300XL	3/4" x 3.0" (18 x 75mm)
320E 100 150XL	1" x 1.5" (25 x 38mm)
320E 100 300XL	1" x 3.0" (25 x 75mm)

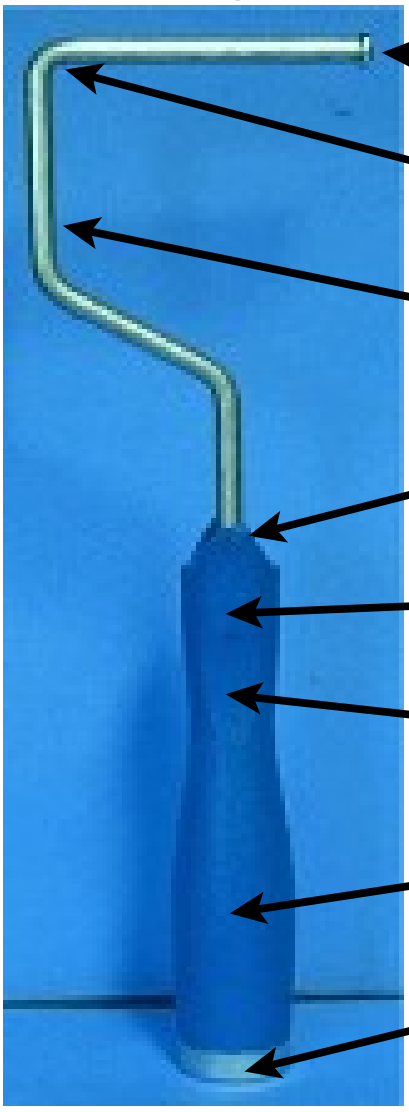
Aluminum Paddle

372E 037150XL	3/8" x 1.5" (10 x 38mm)
372E 037300XL	3/8" x 3.0" (10 x 75mm)

300 Series Detail Rollers

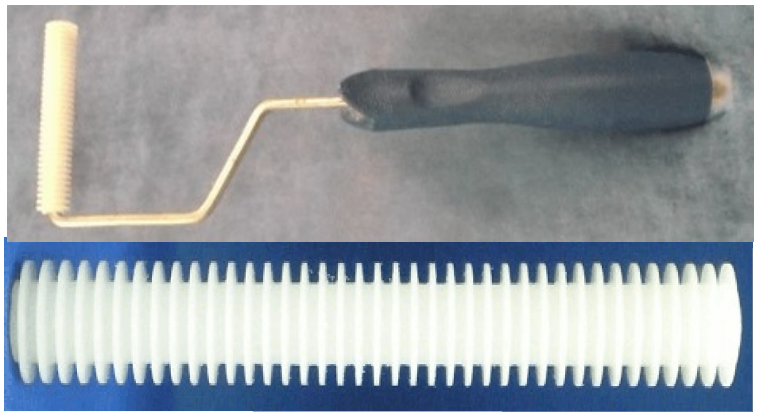


Exclusive A grade handle.



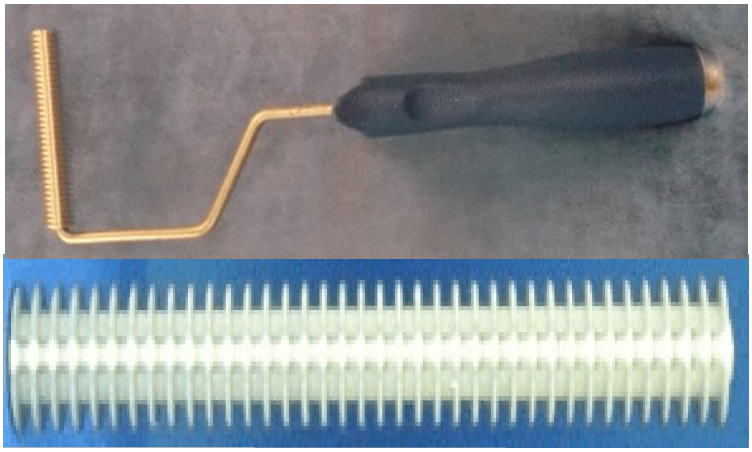
310 Thin Fin Plastic Detail Roller

310A/B037100	3/8" Dia. x 1" Lg. Thin Fin
310A/B037150	3/8" Dia. x 1.5" Lg. Thin Fin
310A/B037200	3/8" Dia. x 2" Lg Thin Fin
310A/B037300	3/8" Dia. x 3" Lg. Thin Fin
310A/B037400	3/8"Dia. x 4" Lg. Thin Fin
310A/B037450	3/8" Dia. x 4.5" Lg. Thin Fin
310A/B037500	3/8" Dia. x 5" Lg. Thin Fin
310A/B050100	½" Dia. x 1" Lg. Thin Fin
310A/B050150	½" Dia. x 1.5" Lg. Thin Fin
310A/B050300	½" Dia. x 3" Lg. Thin Fin
310A/B050400	½" Dia. x 4" Lg. Thin Fin
310A/B050450	½"Dia. x 4.5" Lg. Thin Fin
310A/B050500	½"Dia. x 5" Lg. Thin Fin
310A/B062150	5/8" Dia. x 1.5" Lg. Thin Fin
310A/B062300	5/8" Dia. x 3"Lg. Thin Fin
310A/B075150	3/4" Dia. x 1-1/2"Lg.Thin Fin
310A/B075300	3/4" Dia. x 3"Lg. Thin Fin
310A/B100150	1" Dia. x 1-1/2"Lg.Thin Fin
310A/B100300	1" Dia. x 3"Lg. Thin Fin



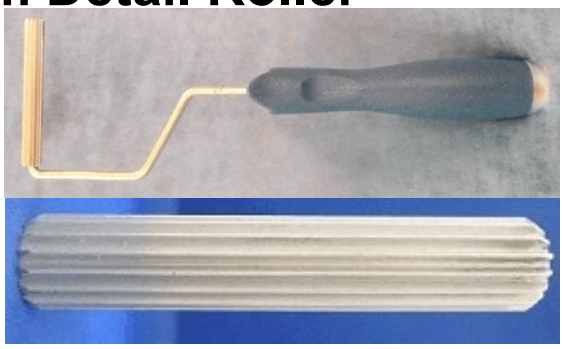
320 Thin Fin Aluminum Detail Roller

320A/B037100	3/8 Dia. x 1" Lg. Thin Fin
320A/B037150	3/8" Dia. x 1.5" Lg. Thin Fin
320A/B037200	3/8" Dia. x 2" Lg Thin Fin
320A/B037300	3/8" Dia. x 3" Lg. Thin Fin
320A/B037400	3/8" Dia. x 4" Lg. Thin Fin
320A/B037450	3/8" Dia. x 4.5" Lg. Thin Fin
320A/B037500	3/8" Dia. x 5" Lg. Thin Fin
320A/B050100	½" Dia. x 1" Lg. Thin Fin
320A/B050150	½" Dia. x 1.5" Lg. Thin Fin
320A/B050300	½" Dia. x 3" Lg. Thin Fin
320A/B050400	½" Dia. x 4" Lg. Thin Fin
320A/B050450	½" Dia. x 4.5" Lg. Thin Fin
320A/B050500	½" Dia. x 5" Lg. Thin Fin
320A/B062150	5/8" Dia. x 1.5" Lg. Thin Fin
320A/B062300	5/8" Dia. x 3"Lg. Thin Fin
320A/B075150	3/4" Dia. x 1.5"Lg. Thin Fin
320A/B075300	3/4" Dia. x 3"Lg. Thin Fin
320A/B100150	1" Dia. x 1.5"Long Thin Fin
320A/B100300	1" Dia. x 3"Long Thin Fin



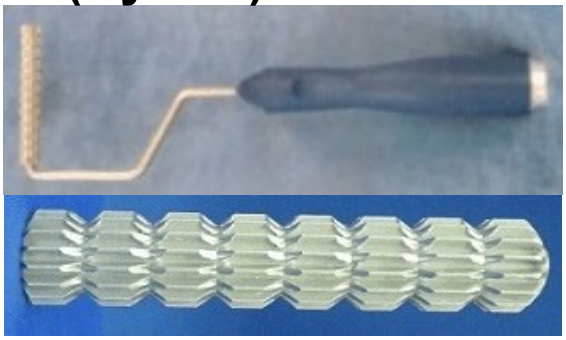
372 Paddle Aluminum Detail Roller

Aluminum	Description
372A/B037100	3/8" Dia. x 1" Lg. Long Groove
372A/B037150	3/8" Dia. x 1.5" Lg. Long Groove
372A/B037200	3/8" Dia. x 2" Lg. Long Groove
372A/B037300	3/8" Dia. x 3" Lg. Long Groove
372A/B037400	3/8" Dia. x 4"Lg. Long Groove
372A/B037450	3/8" Dia. x 4 ½ "Lg.Long Groove
372A/B037500	3/8" Dia. x 5" Lg. Long Groove
372A/B037600	3/8" Dia. x 6" Lg. Long Groove



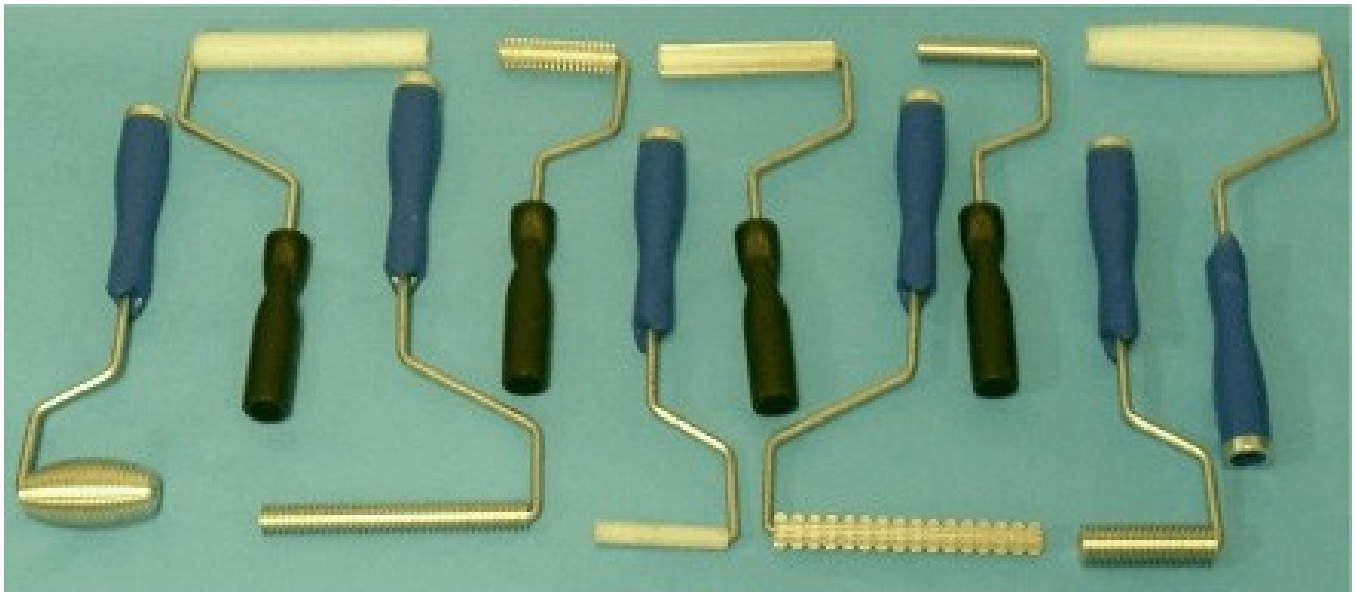
376 Slotted Paddle Aluminum (Hybrid) Detail Roller

Aluminum	Description
376A/B037100	3/8" Dia. x 1" Lg. Slotted Paddle
376A/B037100	3/8" Dia. x 1.5" Lg. Slotted Paddle
376A/B037200	3/8" Dia. x 2" Lg. Slotted Paddle
376A/B037300	3/8" Dia. x 3" Lg. Slotted Paddle
376A/B037400	3/8" Dia. x 4"Lg. Slotted Paddle
376A/B037450	3/8" Dia. x 4 ½ "Lg Slotted Paddle
376A/B037500	3/8" Dia. x 5" Lg. Slotted Paddle

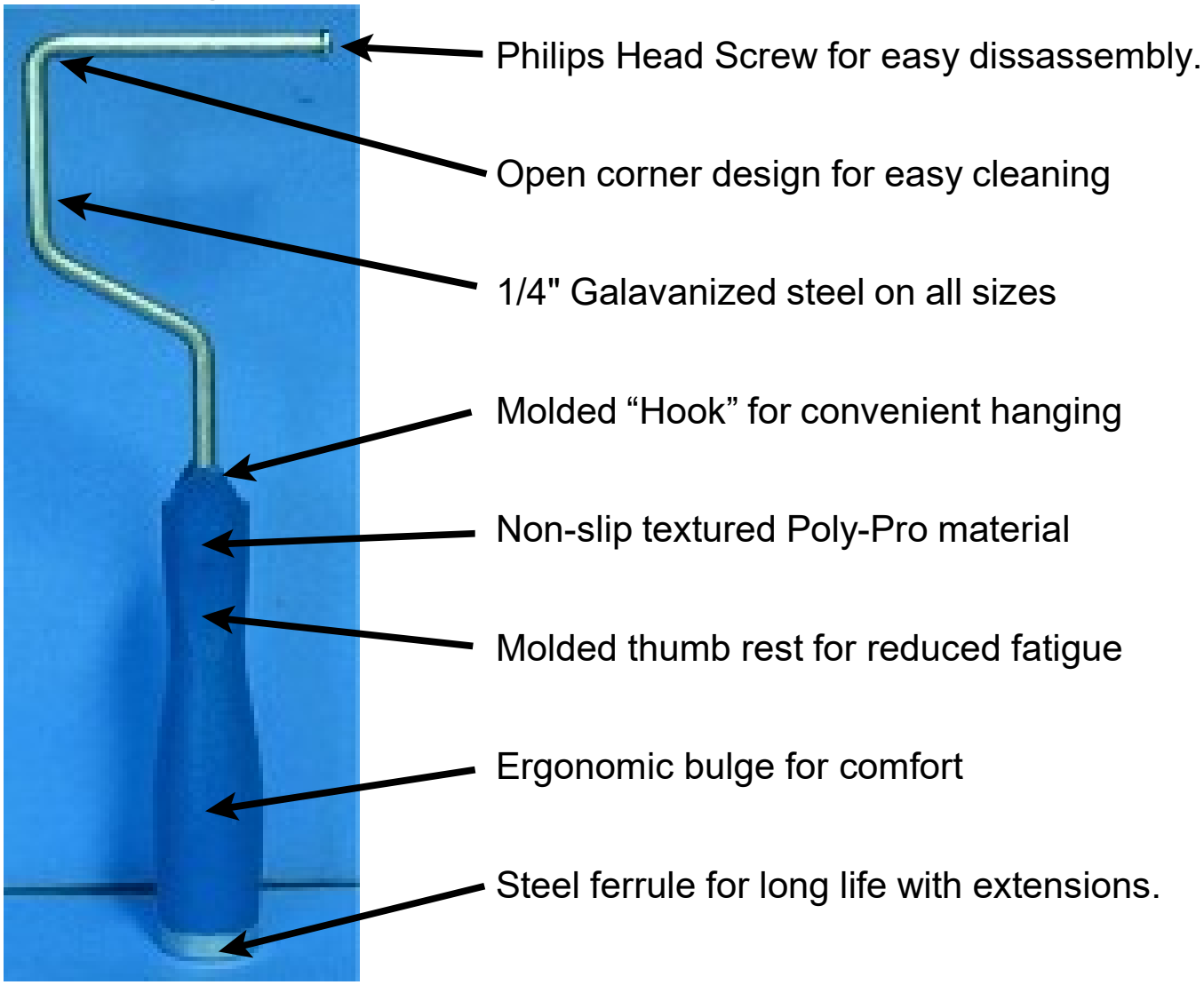


400 Series Standard Rollers

Serie de rodillos estandar



Exclusive A grade handle.



410 Thin Fin Plastic Standard

Rodillos estandar de plastico fino



Deluxe Blue Handle

410A/B 050300	1/2" Diameter x 3" Long (12.3 x 76 mm)HDPE Plastic
410A/B 050500	1/2" Diameter x 5" Long (12.3x 127 mm)HDPE Plastic
410A/B 050600	1/2" Diameter x 6" Long (12.3 x 152 mm)HDPE Plastic
410A/B 062300	5/8" Diameter X 3.0"Long (15.5 x 76mm)HDPE Plastic
410A/B 062400	5/8" Diameter X 4.5 Long (15.5 x 101 mm)HDPE Plastic
410A/B 062450	5/8" Diameter X 4.5 Long (15.5 x 114 mm)HDPE Plastic
410A/B 062600	5/8" Diameter X 6"Long (15.5 x 150mm)HDPE Plastic
410A/B 075200	3/4" Diameter x 2" Long (18.5 x 50mm)HDPE Plastic
410A/B 075300	3/4" Diameter x 3" Long (18.5 x 76mm)HDPE Plastic
410A/B 075450	3/4" Diameter x 4.5" Long (18.5 x 114 mm)HDPE Plastic
410A/B 075500	3/4" Diameter x 5"Long (18.5 x 127mm)HDPE Plastic
410A/B 075600	3/4" Diameter x 6" Long (18.5 x 152 mm)HDPE Plastic
410A/B 100300	1" Diameter x 3" Long (25 x 76 mm)HDPE Plastic
410A/B 100400	1" Diameter x 4" Long (25 x 101 mm)HDPE Plastic
410A/B 100450	1" Diameter x 4.5" Long (25 x 114 mm)HDPE Plastic
410A/B 100500	1" Diameter x 5" Long (25 x 127 mm)HDPE Plastic
410A/B 100600	1" Diameter x 6" Long (25 x 152 mm)HDPE Plastic
410A/B 150300	1.5" Diameter X 3" Long (38 x 73mm)HDPE Plastic
410A/B 150600	1.5" Diameter X 6" Long (38 x 152mm)HDPE Plastic
410A/B 200300	2" Diameter x 3" Long (48 x 76 mm)HDPE Plastic
410A/B 200450	2" Diameter x 4.5"Long (48 x 114 mm)HDPE Plastic
410A/B 200600	2" Diameter x 6" Long (48 x 152 mm)HDPE Plastic
410A/B 200900	2" Diameter x 9" Long (48 x 228 mm)HDPE Plastic
410A/B250200	2-1/2" Dia.x 2" Long (62 x 50mm) HDPE Plastic

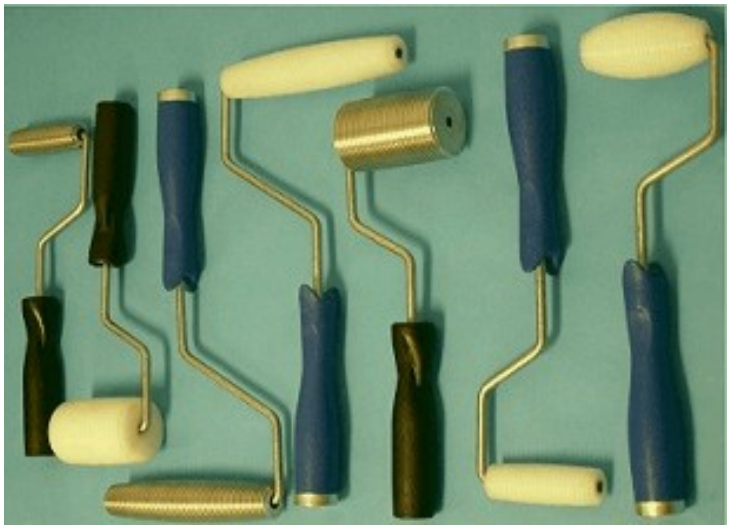
420 Thin Fin Aluminum Standard

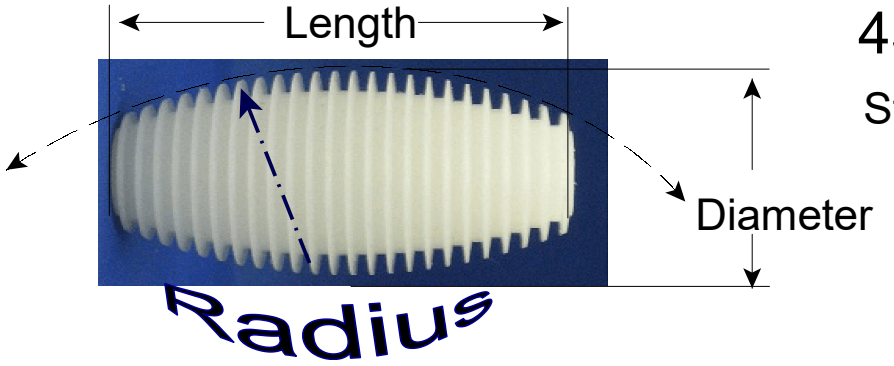
Rodillo fino de aluminio estandar

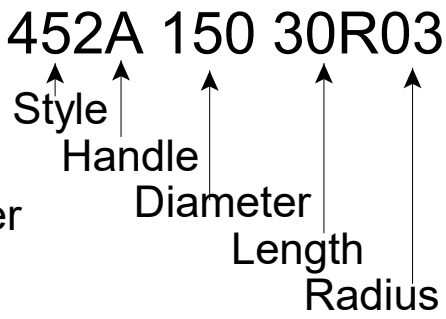


Deluxe Blue Handle

420A/B 037300	3/8" Diameter x 3" Long (12.3 x 76 mm))Aluminum
420A/B 050300	1/2" Diameter x 3" Long (12.3 x 76 mm))Aluminum
420A/B 050500	1/2" Diameter x 5" Long (12.3x 127 mm)Aluminum
420A/B 050600	1/2" Diameter x 6" Long (12.3 x 152 mm)Aluminum
420A/B 062200	5/8" Diameter X 2.0"Long (15.5 x 50mm)Aluminum
420A/B 062300	5/8" Diameter X 3.0"Long (15.5 x 76mm)Aluminum
420A/B 062400	5/8" Diameter X 4"Long (15.5 x 104mm)Aluminum
420A/B 062450	5/8" Diameter X 4.5"Long (15.5 x 114mm)Aluminum
420A/B 062600	5/8" Diameter X 6"Long (15.5 x 150mm)Aluminum
420A/B 075200	3/4" Diameter x 2" Long (18.5 x 50 mm)Aluminum
420A/B 075300	3/4" Diameter x 3" Long (18.5 x 76 mm)Aluminum
420A/B 075400	3/4" Diameter x 4" Long (18.5 x 104 mm)Aluminum
420A/B 075450	3/4" Diameter x 4.5" Long (18.5 x 114 mm)Aluminum
420A/B 075500	3/4" Diameter x 5" Long (18.5 x 127 mm)Aluminum
420A/B 075600	3/4" Diameter x 6" Long (18.5 x 152 mm)Aluminum
420A/B 100300	1" Diameter x 3" Long (25 x 76 mm)Aluminum
420A/B 100400	1" Diameter x 4" Long (25 x 101 mm) Alumiium
420A/B 100450	1" Diameter x 4.5" Long (25 x 114 mm) Aluminum
420A/B 100500	1" Diameter x 5" Long (25 x 127 mm)Aluminum
420A/B 100600	1" Diameter x 6" Long (25 x 152 mm)Aluminum
420A/B 100900	1" Diameter x 6" Long (25 x 228 mm)Aluminum
420A/B 150300	1.5" Diameter X 3" Long (38 x 73mm)Aluminum
420A/B 150600	1.5" Diameter X 6" Long (38 x 152mm)Aluminum
410A/B 200300	2" Diameter x 3" Long (48 x 76 mm)Aluminum
410A/B 200600	2" Diameter x 6"Long (48 x 152 mm)Aluminum
410A/B 200800	2" Diameter x 8" Long (48 x 200 mm)Aluminum
410A/B 200900	2" Diameter x 9" Long (48 x 228 mm)Aluminum







452 Thin Fin Radius Plastic Standard

Rodillo estandar plastico de radio fino



452A/B 07520R04	1" Diameter X 2" Long w/4" Radius (18 x 50mm w/100mm)
452A/B 10030R15	1" Diameter X 3" Long w/15" Radius (25 x 75mm w/381mm)
452A/B 12560R30	1.25" Diameter X 6" Long w/30" R (30 x 150mm w/762mm)
452A/B 15030R03	1.5" Diameter X 3" Long w/3.5" R (38 x 75mm w/84mm)
452A/B 20030R30	2" Diameter X 3" Long w/30" Radius) (47 x 75mm w/762mm)

462 Thin Fin Radius Aluminum Standard

Rodillo estandar de aluminio de radio fino



462A/B10030R15	1" Diameter X 3" Long w/15" R (25 x 75mm w/381mm)
462A/B 12520R04	1-1/2" Diameter X 2" Long W/4" R (38 x 50mm w/101mm)
462A/B 16215R01	1-5/8" Diameter X 1.5" Long w/1" R (40 x 25mm w/25mm)
462A/B 16230R03	1-5/8" Diameter X 3" Long w/3.5" R (40 x 75mm w/84mm)
462A/B 20030R30	2" Diameter X 3" Long w/30" Radius (47 x 75mm w/762mm)

472 Aluminum Long Groove(Paddle) Standard

Rodillo de aluminio de surco largo con paleta de cambio rapido



Deluxe Blue Handle

472A/B 060200	1/2" Diameter x 2" Long (15.1 x 51 mm)
472A/B 060300	1/2" Diameter x 3" Long (15.1 x 76 mm)
472A/B 060400	1/2" Diameter x 4" Long (15.1 x 101 mm)
472A/B 060450	1/2" Diameter x 4-1/2" Long (15.1 x 114 mm)
472A/B 060500	1/2" Diameter x 5" Long (15.1 x 127 mm)
472A/B 060600	1/2" Diameter x 6" Long (15.1 x 152 mm)
472A/B 075200	3/4" Diameter x 2" Long (18.5 x 51 mm)
472A/B 075300	3/4" Diameter x 3" Long (18.5 x 76 mm)
472A/B 075400	3/4" Diameter x 4" Long (18.5 x 101mm)
472A/B 075450	3/4" Diameter x 4.5" Long (18.5 x 112 mm)
472A/B 075500	3/4" Diameter x 5" Long (18.5 x 127 mm)
472/A/B 075600	3/4" Diameter x 6" Long (18.5 x 152 mm)
472A/B 075700	3/4" Diameter x 7" Long (18.5 x 178 mm)
472A/B 075900	3/4" Diameter x 9" Long (18.5 x 228 mm)
472A/B 100200	1.0" Diameter x 2" Long (25 x 51 mm)
472A/B 100300	1.0" Diameter x 3" Long (25 x 76 mm)
472A/B 100450	1.0" Diameter x 4.5" Long (25 x 114 mm)
472A/B 100500	1.0" Diameter x 5" Long (25 x 127 mm)
472A/B 100600	1.0" Diameter x 6" Long (25 x 152 mm)
472A/B 100900	1.0" Diameter x 9" Long (25 x 228 mm)
472A/B 200300	2" Diameter x 3" Long (50 x 76 mm)
472A/B 200400	2" Diameter x 4" Long (50 x 101 mm)
472A/B 200500	2" Diameter x 5" Long (50 x 101 mm)
472A/B 200600	2" Diameter x 6" Long (50 x 152 mm)
472A/B 200900	2" Diameter x 9" Long (50 x 228 mm)

476 Aluminum Hybrid(Slotted Paddle) Standard

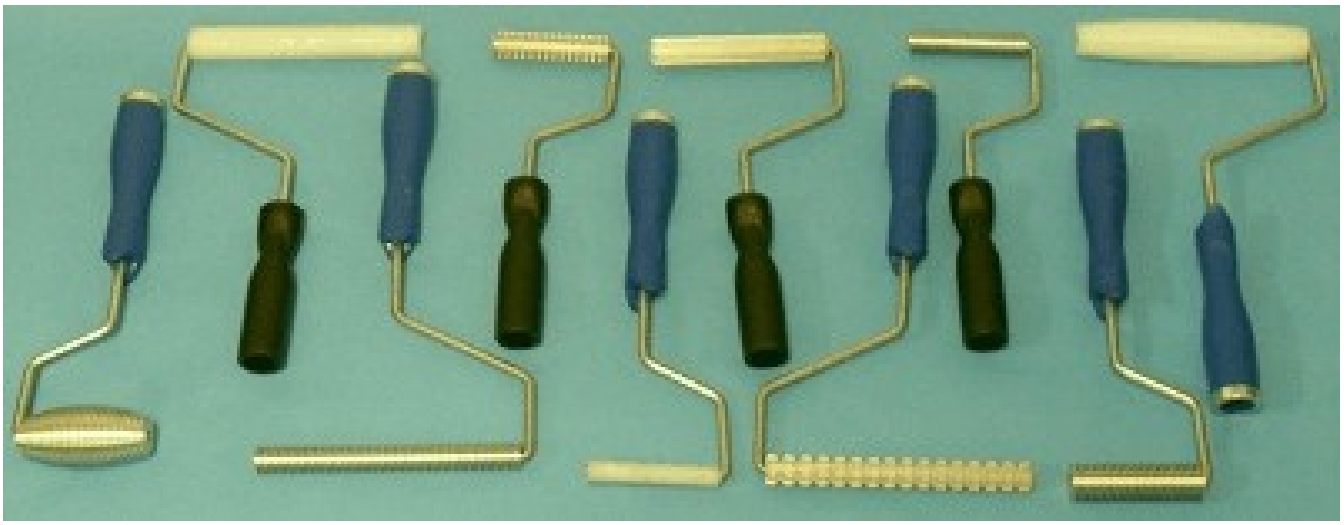
Rodillo hibrido de aluminio con paleta ranurada estandar



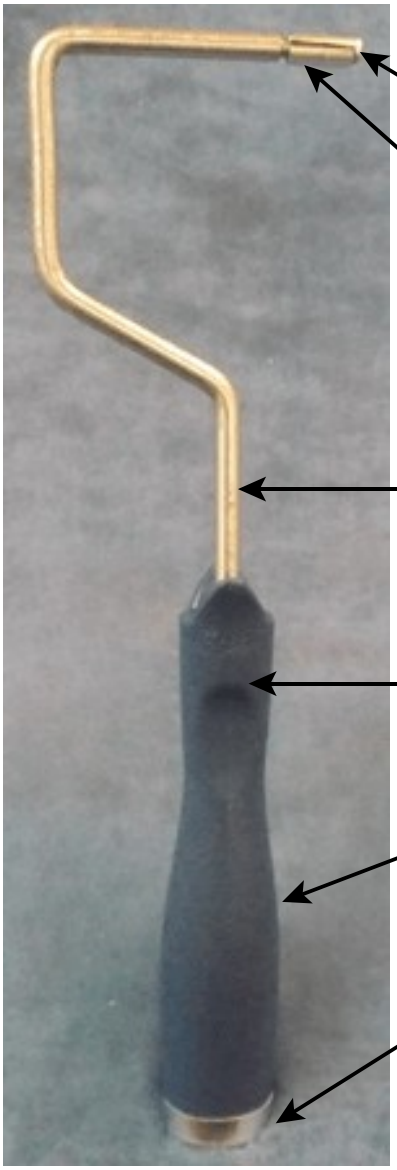
Deluxe Blue Handle

476A/B 060200	1/2" Diameter x 2" Long (15.1 x 51 mm)
476A/B 060300	1/2" Diameter x 3" Long (15.1 x 76 mm)
476A/B 060400	1/2" Diameter x 4" Long (15.1 x 101 mm)
476A/B 060450	1/2" Diameter x 4.5" Long (15.1 x 114 mm)
476A/B 060500	1/2" Diameter x 5" Long (15.1 x 127 mm)
476A/B 060600	1/2" Diameter x 6" Long (15.1 x 152 mm)
476A/B 075200	3/4" Diameter x 2" Long (18.5 x 50 mm)
476A/B 075300	3/4" Diameter x 3" Long (18.5 x 76 mm)
476A/B 075400	3/4" Diameter x 4" Long (18.5 x 101 mm)
476A/B 075450	3/4" Diameter x 4.5" Long (18.5 x 114 mm)
476A/B 075500	3/4" Diameter x 5" Long (18.5 x 127 mm)
476A/B 075600	3/4" Diameter x 6" Long (18.5 x 152 mm)
476A/B 075900	3/4" Diameter x 9" Long (18.5 x 228 mm)
476A/B 100200	1.0" Diameter x 2" Long (25 x 51 mm)
476A/B 100300	1.0" Diameter x 3" Long (25 x 76 mm)
476A/B 100450	1.0" Diameter x 4.5" Long (25 x 114 mm)
476A/B 100500	1.0" Diameter x 5" Long (25 x 127 mm)
476A/B 100600	1.0" Diameter x 6" Long (25 x 152 mm)
476A/B 100900	1.0" Diameter x 9" Long (25 x 228 mm)
476A/B 200300	2" Diameter x 3" Long (50 x 76 mm)
476A/B 200400	2" Diameter x 4" Long (50 x 101 mm)
476A/B 200500	2" Diameter x 5" Long (50 x 101 mm)
476A/B 200600	2" Diameter x 6" Long (50 x 127 mm)
476A/B 200900	2" Diameter x 9" Long (50 x 228 mm)

Quick Change Collarless 700 Series Rollers



Our Best Handle



Phillips Screw for easy bushing removal.
Tornillo phillips para retirar facil el buje

Split Plastic Bushing standard for bristle rollers or available with aluminum split bushing.
Buje plastico partido standar para rodillos de cerda y disponibles en buje partido

Strong, 1/4" (6.5mm) Galvanized frames for long life.
Marco fuerte de 1/4" (6.5mm) galvanizado para ser mas duraredo

ES's Famous non-sliip textured handle.

ES handles threaded to accept extensions.
Mangas negras de rosca que aceptan extensiones.

Steel ferrule reinforced to eliminate cracking when extensions are used.
Virola de acero reforzada para eliminar grietas cuando sea utilizado con extensiones.

70AF25300A



710 Thin Fin Plastic Quick Change

Rodillo plastico fino de cambio rapido

Blue Handle

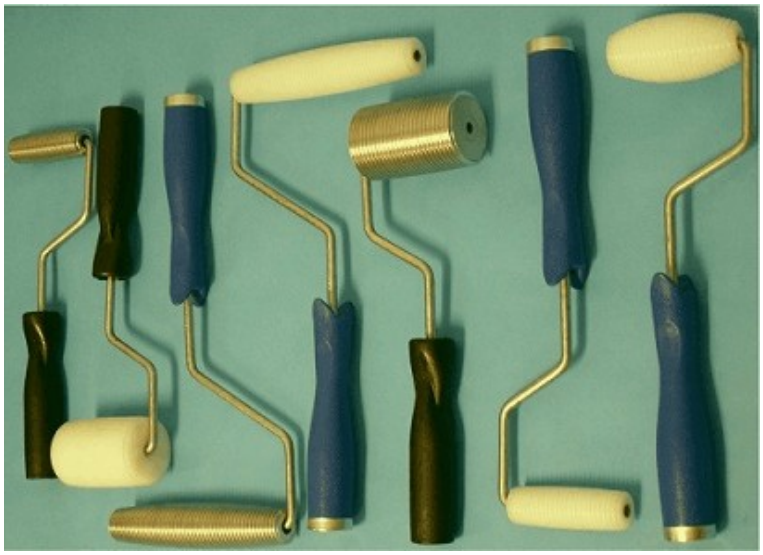
710A/B 050200	1/2" Diameter x 2" Long (13.2 x 51 mm)
710A/B 050300	1/2" Diameter x 3" Long (13.2 x 76 mm)
710A/B 050450	1/2" Diameter x 4-1/2" Long (13.2 x114 mm)
710A/B 050500	1/2" Diameter x 5" Long (13.2 x 127 mm)
710A/B 050600	1/2" Diameter x 6" Long (13.2 x 152 mm)
710A/B 062300	5/8" Diameter X 3"Long (15.5 x 76mm)
710A/B 062450	5/8" Diameter X 4-1;2"Long (15.5 x 114mm)
710A/B 062600	5/8" Diameter X 6"Long (15.5 x 152mm)
710A/B 075300	3/4" Diameter x 3" Long (18.5 x 76 mm)
710A/B 075450	3/4" Diameter x 4.5" Long (18.5 x 114mm
710A/B 075600	3/4" Diameter x 6" Long (18.5 x 152mm
710A/B 100300	1" Diameter x 3" Long (25 x 76 mm)
710A/B 100400	1" Diameter x 4" Long (25 x 101mm)
710A/B 100450	1" Diameter x 4.5" Long (25 x 114mm)
710A/B 10050	1" Diameter x 5 Long (25 x 127m)
710A/B 100600	1" Diameter x 6" Long (25 x 152 mm)

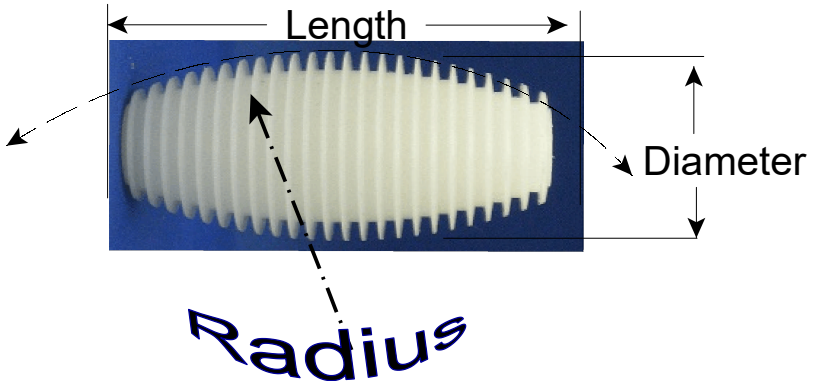
720 Thin Fin Aluminum Quick Change

Rodillo fino de aluminio fino con cambio rapido



720A/B 037200	3/8" Diameter x 2" Long (9.6x 51mm)
720A/B 037300	3/8" Diameter x 3" Long (9.6 x 76 mm)
720A/B 037400	3/8" Diameter x 4" Long (9.6 x 101 mm)
720A/B 037450	3/8" Diameter x 4-1/2" Long (9.6 x 114 mm)
720A/B 037500	3/8" Diameter x 5"Long (9.6 x 127 mm)
720A/B 050200	1/2" Diameter x 2" Long (13.2 x 51 mm)
720A/B 050300	1/2" Diameter x 3" Long (13.2 x 76 mm)
720A/B 050400	1/2" Diameter x 4" Long (13.2 x 104mm)
720A/B 050450	1/2" Diameter x 4-1/2" Long(13.2 x114 mm)
720A/B 050400	1/2" Diameter x 5" Long (13.2 x 127 mm)
720A/B 050600	1/2" Diameter x 6" Long (13.2 x 152 mm)
720A/B 062300	5/8" Diameter X 3"Long (15.5 x 76mm)
720A/B 062450	5/8" Diameter X 4-1/2"Long (15.5 x114mm)
720A/B 062600	5/8" Diameter X 6"Long (15.5 x 152mm)
720A/B 075300	3/4" Diameter x 3" Long (18.5 x 76 mm)
720A/B 075400	3/4" Diameter x 4" Long (18.5 x 101 mm)
720A/B 075450	3/4" Diameter x 4.5" Long (18.5 x 114mm
720A/B 075500	3/4" Diameter x 5" Long (18.5 x 127 mm)
720A/B 075600	3/4" Diameter x 6" Long (18.5 x 152 mm)
720A/B 100300	1" Diameter x 3" Long (25 x 76 mm)
720A/B 100400	1" Diameter x 4" Long (25 x 101 mm)
720A/B 100450	1" Diameter x 4-1/2" Long (25 x 114 mm)
720A/B 100500	1" Diameter x 5" Long (25 x 127 mm)
720A/B 100600	1" Diameter x 6" Long (25 x 152 mm)





752A 150 30R03

Style
Handle
Diameter
Length
Radius



752 Thin Fin Radius Plastic Quick Change

Rodillo plastico fino de radio con aleta de lujo

752A/B 10030R15	1" Diameter x 3" Long w/15" Radius (25mm x 75mm w/381mm Radius)
752A/B 12560R30	1-1/4" Diameter. x 6" Long w/30" Radius (31mm x 150mm w/750mm Radius)
752A/B15030R03	1-1/2" Diameter x 3" Long w/3.5" Radius (38mm x 75mm w/89mm Radius)



762 Thin Fin Radius Aluminum Quick Change

Rodillo fino de radio con aleta de lujo

762A/B 10030R15	1" Diameter x 3" Long w/15" Radius (25mm x 75mm w/381mm Radius)
762A/B 12560R30	1-1/4" Diameter x 6" Long w/30" Radius) (31mm x 150mm w/750mm Radius)
762A/B 16230R03	1-5/8" Diameter x 3" Long w/3.5" Radius (40mm x 75mm w/89mm Radius)

772 Aluminum Long Groove (Paddle) Quick Change

Rodillo de aluminio con surco largo y paleta de cambio rapido



Blue Plastic Handle

772A/B 037200	3/8" Diameter x 2" Long (9.6 x 501 mm)
772A/B 037300	3/8" Diameter x 3" Long (9.6x 76 mm)
772A/B 037400	3/8" Diameter x 4" Long (9.6 x 101 mm)
772A/B 037500	3/8" Diameter x 5" Long (9.6 x 127 mm)
772A/B 060200	1/2" Diameter x 2" Long (15.1 x 51 mm)
772A/B 060300	1/2" Diameter x 3" Long (15.1 x 75 mm)
772A/B 060400	1/2" Diameter x 4" Long (15.1 x 101 mm)
772A/B 060500	1/2" Diameter x 5" Long (15.1 x 127 mm)
772A/B 060600	1/2" Diameter x 6" Long (15 x 152 mm)
772A/B 075200	3/4" Diameter x 5" Long (18.5 x 50 mm)
772A/B 075300	3/4" Diameter x 3" Long (18.5 x 75 mm)
772A/B 075450	3/4" Diameter x 4.5" Long (18.5 x 114 mm)
772A/B 075500	3/4" Diameter x 5" Long (18.5 x 127 mm)
772A/B 075600	3/4" Diameter x 6" Long (18.5 x 152 mm)
772A/B 100200	1" Diameter x 2" Long (25 x 50 mm)
772A/B 100300	1" Diameter x 3" Long (25 x 75 mm)
772A/B 100450	1" Diameter x 4.5" Long (25 x 114 mm)
772A/B 100500	1" Diameter x 5" Long (25 x 127 mm)
772A/B 100600	1" Diameter x 6" Long (25 x 152 mm)

776 Aluminum Hybrid (Slotted Paddle) Quick Change

Rodillo de aluminio con paleta ranurada de cambio partido



776A/B 037200	3/8" Diameter x 2" Long (9.6 x 501 mm)
776A/B 037300	3/8" Diameter x 3" Long (9.6x 76 mm)
776A/B 037400	3/8" Diameter x 4" Long (9.6 x 101 mm)
776A/B 037500	3/8" Diameter x 5" Long (9.6 x 127 mm)
776A/B 060200	1/2" Diameter x 2" Long (15.1 x 51 mm)
776A/B 060300	1/2" Diameter x 3" Long (15.1 x 76 mm)
776A/B 060400	1/2" Diameter x 4" Long (15.1 x 101 mm)
776A/B 060450	1/2" Diameter x 4-1/2" Long (15.1 x 101 mm)
776A/B 060500	1/2" Diameter x 5" Long (15.1 x 127 mm)
776A/B 060600	1/2" Diameter x 6" Long (15 x 152 mm)
776A/B 075200	3/4" Diameter x 2" Long (18.5 x 75 mm)
776A/B 075300	3/4" Diameter x 3" Long (18.5 x 75 mm)
776A/B 075400	3/4" Diameter x 4" Long (18.5 x 101 mm)
776A/B 075450	3/4" Diameter x 4.5" Long (18.5 x 114 mm)
776A/B 075500	3/4" Diameter x 5" Long (18.5 x 152 mm)
776A/B 075600	3/4" Diameter x 6" Long (18.5 x 152 mm)
776A/B 100200	1" Diameter x 2" Long (25 x 75 mm)
776A/B 100300	1" Diameter x 3" Long (25 x 75 mm)
776A/B 100400	1" Diameter x 6" Long (25 x 101 mm)
776A/B 100450	1" Diameter x 4.5" Long (25 x 114 mm)
776A/B 100500	1" Diameter x 5" Long (25 x 127mm)
776A/B 100600	1" Diameter x 6" Long (25 x 152 mm)

RC-89 Roller Cleaner

The best way to make emulsifiers work

* Makes laminating roller cleaning fast and simple.
  Hace la limpieza rapidamente y simple en rodillos laminados.

* Adjustable brushes for rollers ranging from 1/4" to 2" diameters.
  Cepillos ajustable para rodillos entre 1/4" a 2" en diametro.

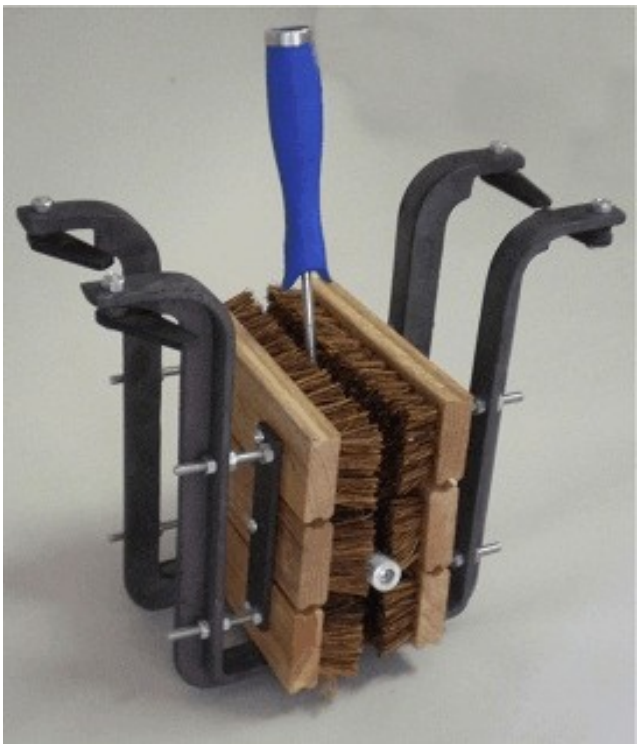
* Palmyra brush material becomes saturated by cleaners to get deep into roller fins.
  El material de cepillo palmyra es saturado por limpiadores para una profunda penetrasion en las aletas del rodillo.

* Works with Thin Fin, Paddle, Slotted Paddle and Bubble Buster rollers.
Trabaja con rodillos finos, de paleta ranuradas y rompe burbujas.

* Adjustable Cam Locks attach to the top of standard 5 gallon plastic pails.
  Ceradura ajustable para el cubo plastico estandar de 5 gal.

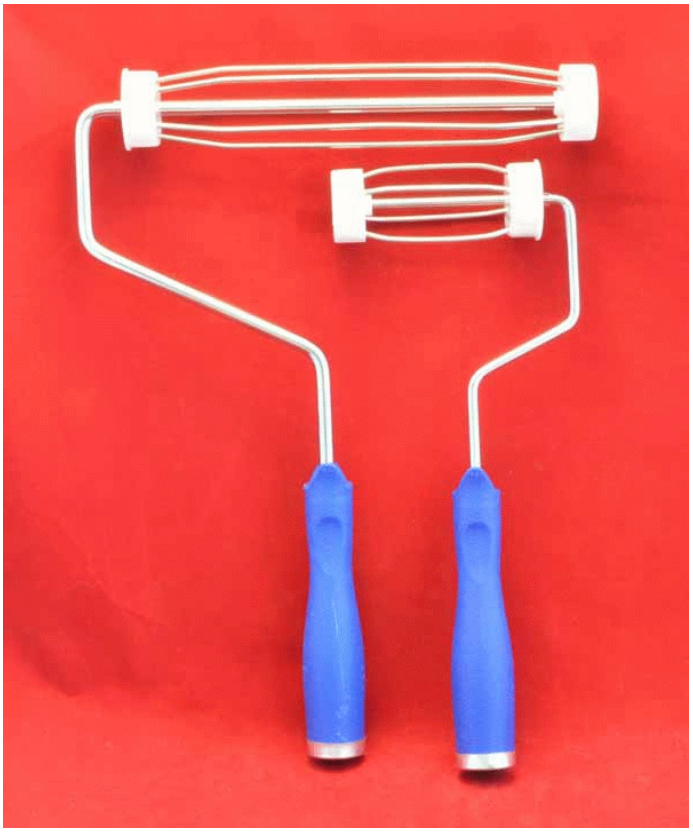
* Casting positioned above the pails bottom to allow resin to settle to reduce waste material.
  El bastidor colocado sobre el cubo basa para permitir que la resina se coloque para reducir el material desecho.

* The perfect tool to assist cleaning in water based emulsifiers.
  La heramienta perfecta para assistir en limpieza de enbulsores a base de agua.





PRF Paint Roller Frames Assemblies



Cages designed with composite applications in mind. Ferrule reinforced handles that accept standard extensions.

* 5 Wire design for 6", 7" & 9".
* 4 wire design for 3" & 4".
* Fits standard roller covers
* Fits all 2" ES Laminating Sleeves - Aluminum & Plastic.
* Plated Steel Frames.
* Exclusive 6" available for use with standard length ES Lamination Sleeves.

PRF-905	9" length, 5 wire Composite Grade Cage Assy.
PRF-705	7" length, 5 wire Composite Grade Cage Assy.
PRF-605	6" length, 5 wire Composite Grade Cage Assy.
PRF-404	4" length, 4 wire Composite Grade Cage Assy.
PRF-305	3" length, 4 wire Composite Grade Cage Assy.

Threaded Handle Extensions

Molded Poly-Pro & Aluminum Threaded Extensions

Molde de Poly-Pro extensiones de rosca

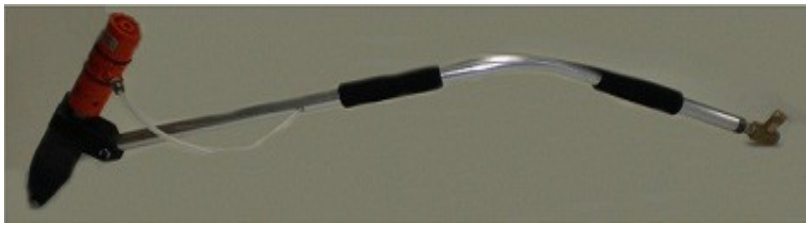


Vibrating Rollers *Rodillos que vibran*

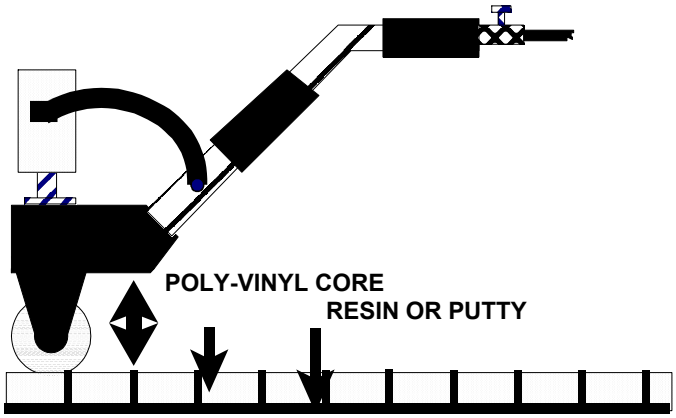
VS-750 (3/4" Piston)



VS-1250 (1 1/4" Piston)



* Vibrating rollers for PVC core construction.
  Rodillos vibradores para la construccion de centros en PVC.
* 2" x 6" Plastic roller with a slight radius to evenly apply vibrating force as the core flexes during construction.
  Rodillos polypro de 2"x^" con un pequeño radio para aplicar fuerza igualmente mientras el centro se dobla durante la construccion.
* Other roller radius available upon request.
  Rodillos disponibles a la venta con otros radios.
* Low (5.6CFM) air consumption.
  Consumo bajo en aire (5.6CFM).
* Decreases bonding time for all PVC core construction, with or without bonding putty.
  Reduce el tiempo de union en el centro de construccion de PVC, con o sin a la masilla pegada.
* Model VS1250 for >1/2" core and or bonding putty.
  Modelo VS1250 para centros de ½" y o para masilla unida.
* Model VS750 for ,1/2".
  Modelo VS750 para, ½"
* Rollers w/45" and 30" Radius available.
  Rodillos con radios de 45" o de 30" disponibles.
* Air Cushioned vpiston vibrator for reduced noise.
  Aire amortiguado con vibrador "vpiston" para la reduccion del ruido.



Model VS750
Assists poly-vinyl core material bond through out molecular friction generated by the high frequency of the ¾" piston. At 12,500 cycles per minute, heat is generated, causing acceleration in the catalyzation process. This reduces voids caused by the de-lamination that happens in countered surfaces.

Model VS1250
This vibrator is used for cores above ½" thickness and/or when a heavy viscosity bonding putty is used. The model 1250 has a 1 ¼ "piston that forces the bonding putty into the core material.

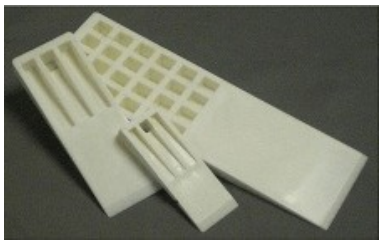
Model VS750 & VS1250
60" Radius ultra high molecular weight roller head applies even force to the complete 6" roller section. Bronze bushings are used for long life. Roller is mounted by two precision machined studs that cannot vibrate loose. Both units are an excellent choice when vacuum bagging is not feasible.

M*odelo VS-750*
Ayuda a material de polo-vinyl a pegarse por medio de fricciones moleculares generados por alta frequencia de un "piston" de ¾ de pulgada (a un cilindro de 12,500 giramentos por minuto) a 12,5000 ciclos por minuto, el calor es generado causando una aceleracion en el proceso de catalizacion, este reduce espacios vacios causado por la de-laminacion que sucede en la superficies contornas.

M*odelo VS-1250*
Este vibrador es usado para cubiertas sobre ½ pulgada de grueso y/o cuando un pegamento fuerte de union de "masilla" es usado. El modelo 1250 tiene piston de 1" y ¼" que forza la union de la masilla dentro el manto "poly-vyl".

M*odelos de VS-750 y VS-1250*
La cabeza del rodillo con un radio de 6" de alto y peso ultra molecular aplica una fuerza a nievel de la seccion y completa el rodillo de 6". Aros de bronze son usados para mayor durabilidad. El rodillo es montado a una pulgada de 3/8 asta de acero que no se soltara por la vibracion. Ambas unidades son una excelente eleccion cuando las bolsad de una aspieradora no son accesibles.

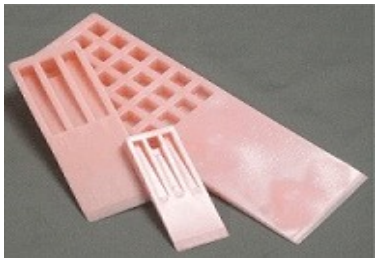
Plastic Demolding Wedges / *Cuñas de Desmolde*



Standard White Rigid Wedges - Cuñas rigidas blancas estandar
Production wedges for the separation of parts from established molds. Our most popular wedge material made with economical HDPE for long life. All wedges are re-grindable and protect molds from damage caused by wooden wedges.
Production de cuña para la separacion de partes de molde establecidos. Nuesto diseño mas popular es la cuña duradera. Todas la cuñas son reafilable y protegen moldes contra causa del daño por las cuña de madera.
WDG-W1254 4" Long x 1-1/4" Wide (100 x 38 mm)
WDG-W2256 6" Long x 2-1/4" Wide (150 x 54 mm)
WDG-W3121 10" Long x 3-1/8" Wide (260 x 80mm)



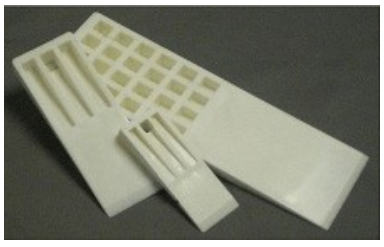
Deluxe Blue Medium Flex Wedges- Cuñas medianas azules deflixion
Medium flex wedges for the separation of parts for newer or molds with curved edges that rigid white wedges do not enhance efficient mold seperation. Blended material to increase life over standard, medium flex plastics.
La cuña de flexión media es para la separación de piezas más nueva o moldes con los bordes curvados que las cuñas blancas rígidas no realzan la separación eficiente del molde. El material mezclado es para aumentar vida sobre los plásticos estándar y medios de flexión.
WDG-DB1254 4" Long x 1-1/4" Wide (100 x 38 mm)
WDG-DB2256 6" Long x 2-1/4" Wide (150 x 54 mm)
WDG-DB3121 10" Long x 3-1/8" Wide (260 x 80mm)



Standard Pink Flexible Wedges- Cuñas rosadas flexibles
Flexible pink wedges for the separation of parts from new molds. Perfect for new molds that are less than 6 months old which could be damaged by more rigid wedges. Regrindable, but will have a shorter life than more rigid wedges.
La cuña flexible rosada es para la separación de partes de nuevos moldes. Es perfecta para los nuevos moldes que son menos de 6 meses que se podrían dañar por cuñas más rígidas y es reafilable, pero tendrá una vida más corta que cuñas más rígidas.
WDG-P1254 4" Long x 1-1/4" Wide (100 x 38 mm)
WDG-P2256 6" Long x 2-1/4" Wide (150 x 54 mm)
WDG-P3121 10" Long x 3-1/8" Wide (260 x 80mm)



High -Peformance Green Wedges- Cuñas verdes de alto rendimiento
Our best wedge with a special blend of plastic that gives the medium flexablity for efficient usage in a wide variety of molds, but longer life than any other wedge. These wedges can last three times as long as standard wedges.
Nuestra mejor cuña con una mezcla especial del plástico que da el flexibilidad media para el uso eficiente en una gran variedad de moldes y tiene una vida más larga que cualquier otra cuña. Estas cuñas pueden durar tres veces como las cuñas estándar.
WDG-G1254 4" Long x 1-1/4" Wide (100 x 38 mm)
WDG-G2256 6" Long x 2-1/4" Wide (150 x 54 mm)
WDG-G3121 10" Long x 3-1/8" Wide (260 x 80mm)



Deluxe White Rigid Wedges- Cuñas rigidas blancas de lujo
High production wedges for the seperation of parts from established molds. Our longest life rigid wedge. Blended high density material is slightly softer than standard white but last longer and are less likely to crack from impact.
Estas cuñas son de alta producción para la separación de partes y de moldes establecidos. Nuestra cuña rígida y mas duradera. El material es de alta densidad mezclado levemente más suave que la cuña blanca estándar pero es más larga y pasada y menos probable de agrietarse de ser impactado.
WDG-DW1254 4" Long x 1-1/4" Wide (100 x 38 mm)
WDG-DW2256 6" Long x 2-1/4" Wide (150 x 54 mm)
WDG-DW3121 10" Long x 3-1/8" Wide (260 x 80mm)

Thin Line Wedges-Cuñas delgadas

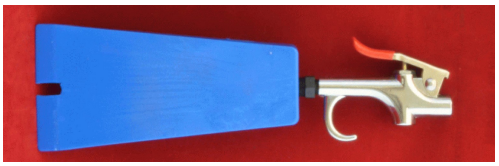


Wedges to reach into narrow areas of a mold. Molded in both rigid white and flexible pink.
Esta cuñas alcanzan moldes de áreas estrechas y son moldeadas en color rosa y blanco y tambien en cuna rigida flexible blanca.

WDG-W1710 10" Long x 1-3/4" Wide (250 x 45 mm)
WDG-P1710 10" Long x 1-3/4" Wide (250 x 45 mm)
WDG-G1710 10" Long x 1-3/4" Wide (250 x 45 mm)

Specialty Wedges / *Cuñas de Especialidad*

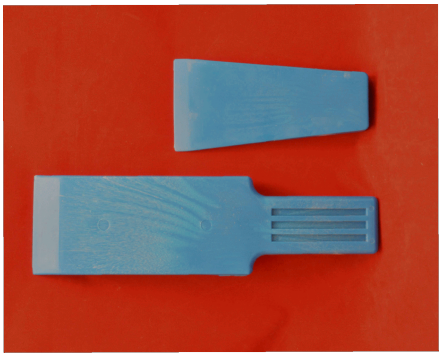
Air Injected Wedges- Cuñas de aire injectado



WDG-AI3257 Air injected wedge assembly
WDG-AI3257-0010 Air injected wedge only

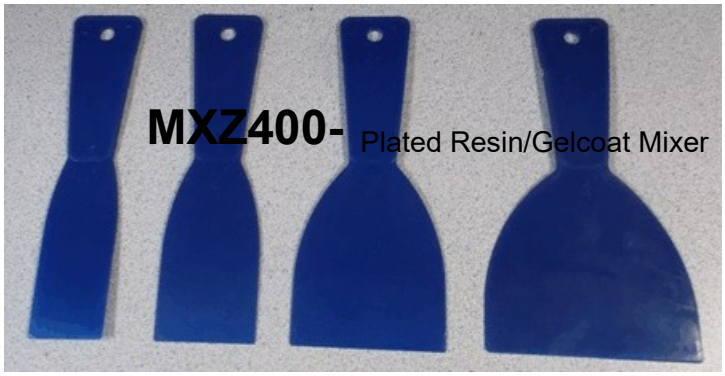
Our unique air injected wedge developed at a composite shop to assist when conventional part seperation methods have failed. Developed from our heavy duty tomahawk shaped B3257 wedge. This wedge utilzes pressurized air to separate parts from thier mold. It can be especially useful when demolding wax has failed or was improperly applied. Both can be purchased with a blow gun or individually. 1/4" NPT holes for easy adaptation for multiple applications.

Heavy Duty Wedges- Cuñas fuertes



Thick, Heavy-Duty blue wedges for long life and increased seperation angles. For large parts these wedges will save time. They can be re-ground multiple times. 12" has a molded handle to make wedge positioning easier.
La grueza cuña azul de polivinílico- es favorable para una larga vida y los ángulos de separación crecientes. Para piezas grandes estas cuñas ahorrarán tiempo y pueden ser remolidas multiples veces. Las de 12" tiene una manga moldeada para ser la colocación de cuña más fácil.
WDG-B3257 (7" Heavy Duty Wedge Tomahawk Shape)
WDG-B4012 (12" Heavy Duty w/Handle)

Blue Plastic Putty Knifes- Espatulas Azules de Plastico



MXZ400- Plated Resin/Gelcoat Mixer

Our plastic putty knives are perfect for spreading putty and fillers for composite part and mold repair. Medium duty plastic will not damage composite molds, and are chemically resistant to resin and keytones. Precision edge for streak free applications.

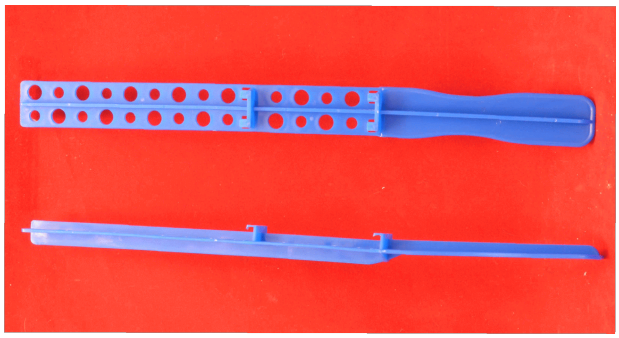
PPK150 - 1 1/2" Plastic Putty Knife

PPK200 - 2" Plastic Putty Knife

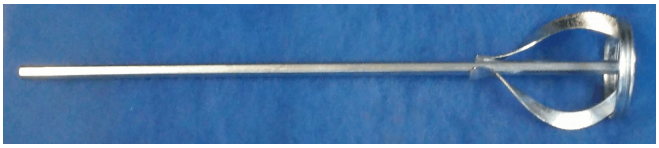
PPK300 - 3" Plastic Putty Knife

PPK400 - 4" Plastic Putty Knife

MS28P- Plastic Resin/Gelcoat Mixing Stick



MKZ 400 - 400 mm long plated mixer



Red Plastic Spreaders



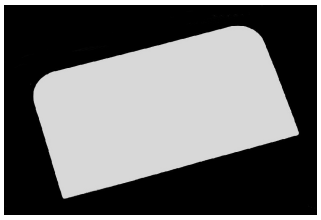
This flexible spreader/squeegee is ideal for applying polyester resins and is chemically resistant to acetone, resin and keytones. It's flexibility works well for hand lay-up of resing and fiberglass cloth. Thier flexibility is ideal for spreading putty into curved shapes. It can also be used in the composite industry as an economical alternative to rubber squeegees.
SPD-R003

Transucent Semi-Rigid Spreaders



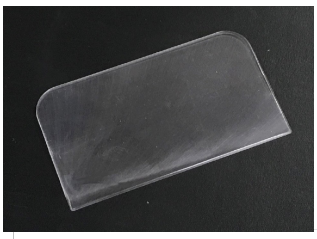
The translucent spreader is stiffer than commonly available spreaders. It is a special chemically resistant material which will not permanantly bond to body putty, which can be easily be peeled off when hard. The edge is straight and has a precise contour for precise application of putty without streaking.
SPD-T003

White Super Rigid Spreaders-



Our Rigid White Spreader is a very rigid nylon to maintain high integrity in abrasive applications. It is also well suited for mold and mixing container clean-up, including the cultured marble industry. Thier toughness even make them great for scraping ice off your car windows!
SPD-W003

Super-Tough Clear Spreaders-



This Clear spreader is a very,very rigid polycarbonate scraper to maintain high integrity in very abrasive applications. It is also ideally suited for mold and mixing container clean-up. Well suited for the unique requirements of the Marble industry. Plastic wedges are used throughout the fiberglass industry to avoid damaging the mold and the part. The stiff polycarbonate item is more of a scraper than a spreader and has have many other uses, such as scraping ice from a windshield, removal of old tape,etc.
SPD-C003

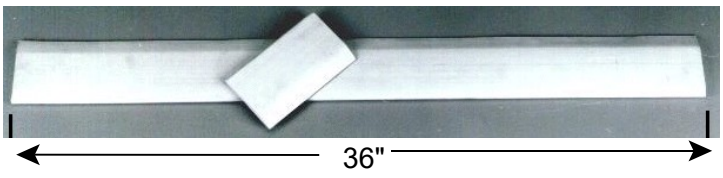


SPD-SE400 *4" Economy Spreader 100/Box*

SPD-SE500 *5" Economy Spreader 100/Box*

SPD-SE600 *6" Economy Spreader 100/Box*

Rubber Squeegees- "Squeegees" de Goma



For spreading resin on large flat surfaces. 36" length with custom edges to enhance air relief.





Solid brass fluid nozzles ranging from 1/32" (0.78mm) to 9/32" (7.14mm) for spraying a wide variety of materiels, including spray granite.

Introducing the new Model 120 Gel coat & resin spray gun

The new Model 120 spray gun is the new standard for quick and easy sprying of gel coats and resins. As it's pedecessor, the G100 gun, it is easy to use and just as important, quick and easy to clean. It will spray a wide variety of materials including gelcoats, resins, Pva's and it will perform sand blasting with the proper spray tip. The G120 gun comes with one heavy duty plastic cup which will withstand acetone and keystones, and a selection of paper cups.

New and improved CNC fabricated fluid nozzles. These new fluid nozzles retain thier solid brass construction but now feature a common 1/2-20NF thread for easy repair and refirbishment.

Note: G120 Fluid Nozzles can be used on G100 and G200 Spray Guns by upgrade the cast lid to G120-010. See Diagram for details..

Made in USA



Model 120 Features

This professional grade sprayer is a must for every fiberglass or composite shop. The new permanent mold aluminum casiting is comortable to use. It is ideal for spraying gel coat into open molds. With tens of thousands of it's predessessor in use all over the world, this gun is the new standard for producing quality parts with a limited equipment budget. This gun will spray faster than conventional HVLP guns and will clean up in just a few minutes. It uses standard paper cups or our exclusive graduated poly-pro cup. The key is our unique vacuum generating nozzles that have radial grooves, allowing for lateral and downward spraying.



The G120-6 comes complete with a gel coat nozzle, our G120-FN6 which works for most standard gel coat spraying, micron gage, nozzle cleaning brush, plastic cup liner, plastic and paper cups. With thousands of ES Manufacturing Cup Guns being used all over the world, this is the standard for simple to use, simple to clean spraying of a wide variety of materials used in a composite shop. The G120 is our best selling gun because of its low price and versatility.

Gel Coat & Resin Cup Guns

Pistola de Copa para Gelcoat y Resinas





G200-6

This unique sprayer works just like the G100, but features external mix for the catalyst. Designed for use with MEKP, it is designed with a separate adjustment for catalyst volume, giving a typical range of between ½ and 4%. Using the same nine different nozzles allows for the spraying of a wide variety of materials. This gun is perfect for the smaller user who may spray part of his material, stop spraying, and re-start spraying shortly after. The G200 comes with the FN6 nozzle for spraying most gel coats. Also included is a micron gauge, nozzle cleaning brush, plastic cup liner, plastic and paper cups. This gun is slightly easier to clean than the G100 because no pre-catalyzed material comes in contact with the nozzle or lid. The 3.5oz catalyst container is easy to refill and inexpensive to replace. G200 is an excellent alternative to the G100 for testing of different materials.

Este rociador profesional es una necesidad para cada taller que trabaje fibra de vidrio. Esta pistola rociara mas rapido que las pistolas convencionales y HVLP y limpiara en justo algunos minutos. La clave is nuestro unico injector que aspira y permite rociar en los laterales y por debajo. G200-6 viene completa con una boquilla para trabajar gelcoat, nuestra FN6 que es la que trabaja para casi todos los standards de gelcoat. Trae cepillo de limpieza para la boquilla, y tazas de plastico y de papel. G200 es nuestra mejor pistola gracias a su bajo precio y flexibilidad.

* Dual air flow controls to adjust gel coat/resin material rates separate from catalyst flow rates.
* *Se doblan los controles de flujo para que la resina/gelatina en los materials puedan ser separados por el catalizador.*

* Separate adjustment for the catalyst spray angle to insure proper gel coat / catalyst mixing.
* *Ajuste separado para que el angulo de rociar el catalyst asegure la mezcla apropiada del gel y catalyst.*

* 6063 aircraft grade aluminum catalyst nozzles are chemical resistant and easy to replace.
* *Boquillas de aluminio resistentes quimicas y faciles de reemplazar.*

G830-2.0 HVLP Gelcoat Touch-up Gun

Pistola de retoque de gal G830-2.0 HVLP



This professional grade touch-up gun comes complete with a 2.0mm stainless steel nozzle, 0.12 liter cup and plastic material strainer. There are separate adjustments for spray pattern width and material volume. As a bonus, you can add a 0.25 liter aluminum cup. The 2.0mm nozzle is perfect for gel coat and resin. This gun excels at surface touch-ups such as mold repair , composite refinish and delicate boat hull repair. Smaller nozzle kits are available in 0.8mm, 1.0mm, and 1.2mm. Blue die cast body ensures long life. Most small touch-up guns are designed with a flat seal just behind the threads that the air cap attaches to. Our model G830 is a one piece casting eliminating this problem seal. If you have used other similar spray guns and cleaned them in acetone, the seals desintegrate. Our G830 can be cleaned in acetone without this problem. Our economical replacement parts and nozzle kits make this a perfect addition to any composite shop.

Esta pistola profesional de retoque viene completoa con un inyector 2.0mm acero inoxidable, taza plástica de 0.12 litro y un colador de material plástico. Hay ajustes separados para la anchura del patrón de aerosol y el volumen del material. Como prima, usted puede agregar una taza del aluminio de 0.25 litro. El inyector de 2.0m m es perfecto para la capa y la resina del gel. Este arma sobresale en el tacto superficial sube por ejemplo la reparación del molde, reacabado del compuesto y reparación delicada del casco del barco. Kits más pequeños del inyector están disponibles en 0.8mm, 1.0mm y 1.2mm. El cuerpo azul del molde asegura vida larga. La mayoría de las pistolas de retoque se diseñan con un sello plano apenas detrás de los hilos de rosca a los cuales el casquillo une. Nuestro modelo G830 es una sola pieza que elimina este sello del problema. Si usted ha utilizado la otra pistola de aerosol similares y las ha limpiado en acetona, los sellos se desintegran. Nuestro G830 se puede limpiar en acetona sin este problema. Nuestro bajo costo y piezas de reemplazo son muy economicas y hacen que esto sea un abuena compra para cualquier taller que trabaje con estos productos.

G860-2.5 HVLP Gelcoat Spray Gun



This full size professional grade HVLP gun comes complete with a 2.5mm stainless nozzle, 0.6 liter plastic cup and plastic material strainer. There are separate adjustments for spray pattern width and material volume. As a bonus, you can add a 1.0 liter aluminum cup. The 2.5mm nozzle is perfect for gel coat and resin. This gun excels at large surface spraying, such as new mold construction, composite refinishing and large boat surface repair. Smaller nozzle kits are available in 1.4mm, 1.7mm, 2.0 and 2.3mm. Blue die cast body ensures long life. Most HVLP cup guns use nylon flat seal just behind the threads that the air cap attaches to. Our model G860 uses a specially designed plastic seal which is resistant to acetone and other commonly used cleaners and emulsifiers. If you have used other similar spray gun and cleaned them with acetone, the seals disintegrate. Our G860 can be cleaned in acetone without this problem. Our economical replacement parts make this a perfect addition to any composite shop.

Esta pistola profesional de grado HVLP viene completa con una boquilla 2.5mm inoxidable, taza plástica de 0.6 litro y colador de material plástico. Hay ajustes separados para la anchura del patrón de aerosol y el volumen del material. Como prima, usted puede agregar una taza del aluminio de 1.0 litros. El inyector de 2.5mm es perfecto para la capa y la resina del gel. Esta pistola sobresale en el rocio de una superficie amplia, por ejemplo la nueva construcción del molde, reacabado del compuesto y reparación grande de la superficie del barco. Kits más pequeños del inyector están disponibles en 1.4mm, 1.7mm, 2.0mm y 2.3mm. El cuerpo azul del molde del mango asegura vida larga. La mayoría de las pistolas de HVLP utilizan el sello plano de nylon apenas detrás de los hilos de rosca a los cuales el casquillo del aire une. Nuestro modelo G860 utiliza un sello plástico especialmente diseñado que sea resistente a la acetona y otros limpiadores y emulsores comúnmente usados. Si usted ha utilizado la otra pistola de aerosol similar y la ha limpiado en acetona, los sellos se desintegran. Nuestro G860 se puede limpiar en acetona sin este problema. Nuestro bajo costo y piezas de reemplazo son económicas y hacen esto una adquisición perfecta a cualquier taller.

G660-4.0 Production Gelcoat Spray Gun



Our best conventional spray gun. 4.0mm stainless nozzle, a 1 liter plastic cup and plastic material strainer. There are separate adjustments for spray pattern width and material volume. Reduced seals ease clean-up and maintenance from most other production guns. Large 4.0 nozzle size produces quality parts very quickly. The competitive pricing eliminates the need for expensive production guns. Because of the reduced number of seals, maintaining spare components is almost eliminated.

Nuestra mejor pistola de aerosol convencional. De inyector inoxidable de 4.0mm y una taza plástica de 1 litro con tamiz del material plástico. Tiene ajustes separados para la anchura del patrón de aerosol y el volumen del material. Los sellos reducidos facilitan limpieza y mantenimiento de la mayoría de los otras pistolas de producción. De tamaño grande 4.0 inyectores y produce piezas de la calidad muy rápidamente. La tasación competitiva elimina la necesidad de pistolas costosas de la producción. Debido a el número reducido de sellos el mantener componentes de repuesto casi seria casi eliminado.

G770 line of Gel Coat Spray Guns



High Pressure Spray Gun G770-1L 3.0 (1 liter Cup)

This professional grade spray gun comes complete with a 3.0mm stainless nozzle with the 1 liter aluminum cup. This gun is perfect for small sized and large gel coat spray up jobs. Standard 3.0mm nozzle perfect for gel coat. Air cap size facilites better gel coat atomazation.

Smaller nozzle kits (1.8, 2.0 & 2.5mm) available.



High Pressure Spray Gun G770-3.0 w/2 liter Pressure Pot

This professional grade spray gun comes complete with a 3.0mm stainless nozzle with the popular 2 liter aluminum pressure pot and a 5 foot hose. This gun is perfect for small to medium sized gel coat spray up jobs. The standard 3.0mm nozzle is perfect for gel coat & resin. New 2 liter bag liners are now available.

Bonus 1 liter cup included with each G770 2L3.0.



High Pressure Spray Gun G770-3.0 w/9 liter Pressure Tank

This professional grade spray gun comes complete with a 3.0mm stainless nozzle with the popular 9 liter aluminum pressure pot and a 10 foot hose. This gun is perfect for larger sized gel coat spray up jobs when the standard 20 minute gel time is not necessary. The standard 3.0 mm nozzle is perfect for gel coat & resin. New 9 liter bag liners are now available.

Bonus 1 liter cup included with each G770 9L3.0.

Spray Gun Accessories

Accesorios de pistola

PT90



9 liter pressure tank w/ 3 meter material hose & air hose. Complete with regulator, pressure relief valve and 5 clamp lock-down. Perfect low cost replacement for ES G770-3.0 Spray Guns or other similar small spray systems. May be used as a flush tank for larger spray systems.

El tanque de presión de 9 litros con manguera de 3 metros material de y manguera de aire. Completo con el regulador, válvula de descarga de presión y el confinamiento de 5 abrazaderas. Perfecto para remplasar el bajo costo para de pistola ES 960 y otros pequeños sistemas de aerosol similares. Puede ser utilizado como flushtank para sistemas de aerosol más grandes.



Shown here with PT90-BAG

PT20



2 liter pressure tank w/ 1.5 meter material hose & air hose. Complete with regulator, pressure relief valve and threaded lock-down. Perfect low cost replacement for ES G770-3.0 Spray Guns or other similar small spray systems. May be used as a flush tank for larger spray systems.

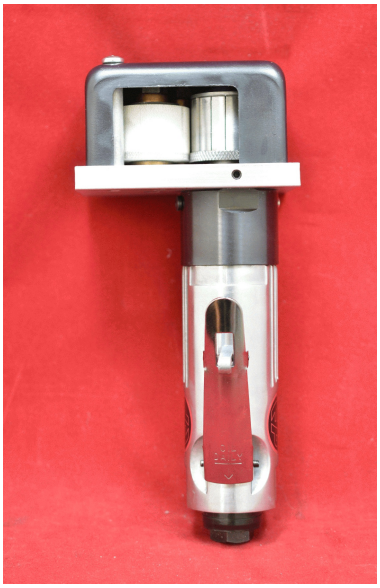
Tanque de presion de 2 litros con mangera de 1.5 metros de material y de aire. Completo con el regulador,válvula de descarga de presión y el confinamiento y abrazaderas. Perfecto para remplasar el bajo costo para de pistola ES 960 y otros pequeños sistemas de aerosol similares. Puede ser utilizado como flushtank para sistemas de aerosol más grandes.



Shown here with PT20-BAG

Fiberglass Choppers

Cortadora de Fibra de Vidrio



CDA-16 Direct Drive Chopper

* New Design with a 16 blade cutter roller for more chop length flexibility.
* Stronger metal bodied motor for longer life and more volume control. .
* Light weight unit for easy glass fiber chopping.
* 3.8 lbs/min. Output with 1" long strand.
* 3.5 CFM @ 80psi.
* High speed blades for long life.
* Standard size anvil roller sleeve
* Harder black anvil roller sleeve now available.
* Our most popular chopper gun.



CGA-16 Gear Reduced Chopper

* 16 blade cutter roller for more chop length flexibility.
* Gear reduced motor for more volume control.
* Strong metal bodied motor for longer life and more volume control.
* Light weight unit for easy glass fiber chopping.
* 3.0 lbs/min. Output with 1" long strand.
* 3.5 CFM @ 80psi.
* Standard size anvil roller sleeve
* Harder black anvil roller sleeve now available.



CGA-24 Gear Reduced Chopper

* 24 blade cutter roller chop length below 1/4".
* Gear reduced motor for more volume control.
* Strong metal bodied motor for longer life and more volume control.
* Light weight unit for easy glass fiber chopping.
* 3.0 lbs/min. Output with 1" long strand.
* 3.5 CFM @ 80psi.
* Harder black anvil roller sleeve included

* All choppers include one 12 pack of spare blades, one spare standard white anvil roller sleeve and hex keys for adjustment.

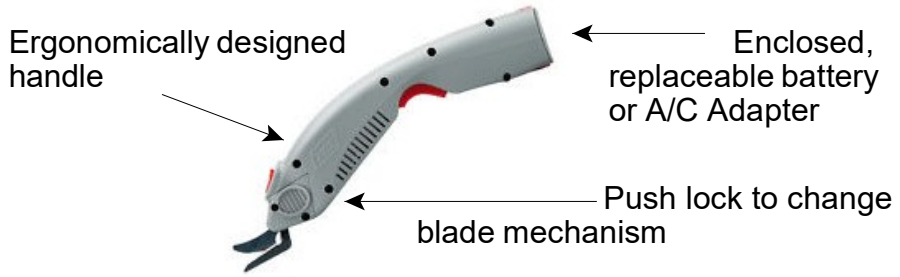
WBT 1 Cutter 115v & 220v *Our most popular cutter!*



This battery powered all-purpose cutter is complete with two, carbide insert blade assemblies. One with increased angle for easy cutting of tough materials and the other for long life. A serrated blade is also available. Re-Chargeable separate batteries can be purchased to always have a fresh battery, ready to go. Also included is an A/C adapter that replaces the battery for “plug in” operation.

No load speed	4500rpm
Battery Capacity	Ni-MH2200Mah
Charging Time	120 minutes
Cutting Capacity	0-15mm (depending on material)
Continuous work time	140 minutes





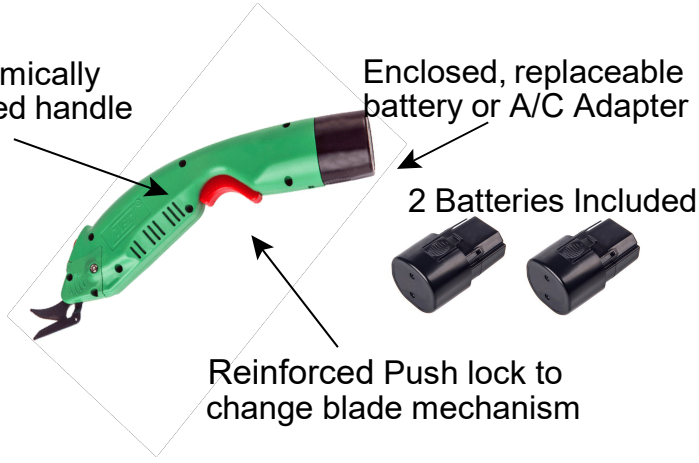
WBT 2 Cutter 115v & 220v *Our best aramid cutter!*



This battery powered all-purpose cutter is complete with two, carbide insert blade assemblies. One with increased angle for easy cutting of tough materials and the other for long life. Multiple blades available including standard, knife edge, knife edge with a guide shoe and our exclusive serrated blade. The perfect solution for lightweight aramid fibers, carbon fiber and fiberglass applications. Re-Chargeable separate batteries can be purchased to always have a fresh battery, ready to go. Also included is an A/C adapter that replaces the battery for “plug in” operation. Available with both 115v and 2 pin 220v versions.

No load speed	6000rpm
Battery Capacity	Li-ion 5000Mah
Charging Time	120 minutes
Cutting Capacity	0-15mm (depending on material)
Continuous work time	60 minutes





Industrial Electric Fiberglass Mat Cutters

Cortadora Eletrica de Fibra de Vidrio

Our imported line of cutters come with standard shaped blades which cut fiberglass materials such as chop strand, woven roving, bi-axials, tri-axials and other common materials. MB series cutters range from 110mm blade diameter to 50mm blade diameter. *Nuestra linea importadora de cortadoras vienen con cuchillas moldeadas de tamaño estandar que cortan los materiales de fibra de vidrio como, una tijera de filamento, vagueacion tejida, Bi-axials,Tri-axials y otros materials communes. Las cortadoras de serie MB corren entre 110mm de diametro a 50mm de diametro en la medida de la cuchilla.*

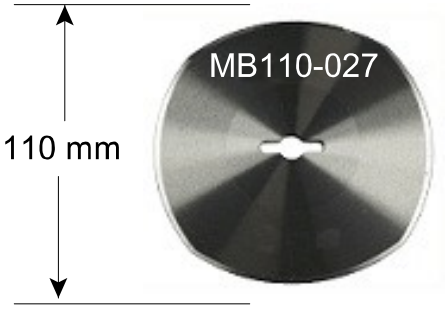
MB-110 Heavy Duty Fiberglass Cutter 115v or 220v

Cortadora de alta resistencia de fibra de vidrio MB-110 (115v y 220v)





* Heavy-duty cutter for heavy weight fiberglass
  Cortador de Fibra resistente para fibra de vidrio pesada
* 110mm (4.25") 4 sided HSS blade
  4 Lados de cuchillas HSS
* 32mm (1.25") Capacity
  Capacidad de 32mm (1.25")
* Mounted sharpening stone assembly
  Piedra afiladora montada
* 1/4H.P. (180w) motor
  1/4 H.P. motor
* Available in 115v or 220v
  Disponible en 115v o 220v
* Our best and heaviest duty fibre cutter
  Nuestra major y mas solida cortadora de fibra
* 4 wheels on base plate for easy table top cutting
  4 ruedas en la base del plato para cortar mejor sobre una mesa
* Ajustable guard to limit blade exposure
  Protector ajustable para limitar la exposicion de la cuchilla



MB-60 Battery Powered Fiberglass Cutter 115v or 220v

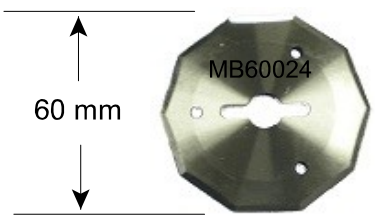
Cortadota de bateria de fibra de vidrio MB-60 (115V y 220V)





Long life Ni-cad battery power makes this unit easy to handle for intricate shapes. Push button shapening device keeps the 10 sided blade ready to cut a wide variety of materials. Features an adjustable guard for safe operation. Shipped complete with one extra blade and battery charging device.

La bateria de porder Ni cad es duradera y hace que la unidad sea facil de cortar formas complicadas de materiales variables.

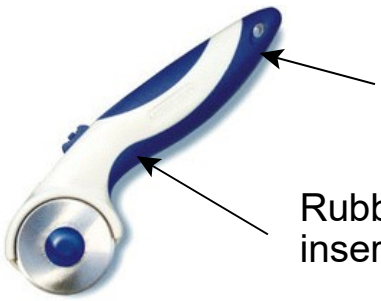


PC-45 Penguin Cutter



"The Coolest Cutter on the Planet"
Retractable cover for safety makes the blade mounting more secure than competetive rotary cutters. Rubberized plastic inserts on the handle make this ergonomically designed cutter even more comfortable. Can be used either right or left handed.

"El cortador más cool del planeta"
Cubierta retráctil para la seguridad hace que el montaje de las cuchillas más seguro que el corte rotativo competitivos. Inserciones de plástico recubiertos de goma en el mango hacen de este ergonómicamente diseñado cortador aún más cómodo. Puede ser utilizado ya sea diestro o zurdo





Shown here with blade cover in place.

MB-50 Portable Electric Fiberglass Cutter 115v or 220v

Cortadora portable electrica de fibra de vidrio MB-50 (115v y 220v)





MB50-LH

Our lowest cost rotary cutter is complete with push button sharpening and an extra blade. An excellent, economical device for intricate shapes on light to medium weight fiberglass. Shown below in the unique extended version.

Nuestra cortadora rotativa más economica viene completa con un boton de afilar y cuchillas de respuesto. Es una excellente pieza para formas complicadas de pezo libiano o mediano para materiales de fibra de vidrio.

Aramid Fiber Cutting Solutions

Cortadora Eletrica de Fibra de Vidrio

Heavy Duty Kevlar Scissors

Tijeras Kevlar de alta resistencia

* Double serrated blades hold Aramids in place for shearing.
  Cuchilla serrado para sujetar la tijera Kevlar en un lugar para esquilar.
* Specially treated blades for long life.
  Las cuchillas son especialment tratadas para que duren más.
* Top quality German construction design in coordination with ES Mfg.specifically for aramid fibers.
  Es de calidad superior hecha en Alemania y diseñadas en cordination con Es Manufacturing para fibras de aramid.
* Made from only the finest German steel for superior consistancy of blade life.
  Hecha del mejor acero Aleman para cuchillas de larga duracion.
* Both sizes have comfortable comfort grip handle and thicker stainless blade.
  Ambos tamaños tienen la manija cómoda para un buen agarre y una lámina inoxidable más gruesa.
* Fatigue reducing grips are resitant to acetone and most commercial cleaners.

Medium Duty Kevlar Scissors

Tijeras Kevlar de resistencia mediana

* Double serrated blades on both sides to hold Aramids in place for shearing.
  Cuchillas serrado por los dos lados para sujetar la tijera kevlar en un lugar esquilar
* Specially treated blades for long life.
  Las cuchillas son especialmente tratadas para que duren más.
* Top quality made in Germany construction designed for the composite industry.
  Calidad superior hecha en Alemania. Diseñadas para la industria de compuestos.
* Made from only the finest German steel for superior consistancy of blade life.
  Hecha del mejor acero Aleman para cuchillas de larga duracion.
* The most economical Aramid Scissor we have ever offered.
  Es La Tijera Kevlar Mas Economica Que Hemos Ofrecido



SCI-CG12HDK



5.5" Cut Length

SCI-CG10HDK



4.7" Cut Length

SCI-CG08MDK



3.4" Cut Length

Important Note: All “Comfort Grip” (CG) Scissors eliminate the need for right or left hand configurations.
Nota Importante: Todas Las Tigeras (CG) Tienen Un Agarre Confortable y no Necesitan Configuracions Para Usuarios Derechos o Izquierdos

Serrated Stainless Steel Fiberglass Scissors

Tijeras serradas de la fibra de vidrio del acero inoxidable

* Serrated blades on one side to hold fiberglass in place for less effort to cutting fiberglass hearing.
  Cuchillas serradas en un lado para sostener la fibra de vidrio en su lugar para menos esfuerzo a la audiencia de la fibra de vidrio duante el corte.
* Single serration allows non-serrated blade to be re-sharpened or honed.
  Una sola serrada permite que la cuchilla no- serrada sea reafilada.
* Comfort grip is rubberized to reduce fatigue but can be cleaned with acetone.
  Para un agarre confortable de goma para reducir la fatiga pero puede ser limpiado con acetona.
* Top quality German construction designed and tested by ES Manufacturing for the composite industry.
  Calidad superior hecha en Alemania. Diseñadas y arprobada por Es Manufacturing para la industria de compuestos.
* Made from only the finest German steel for superior consistancy of blade life.
  Hecha del mejor acero Aleman para cuchillas de larga duracion
* Both medium & heavy duty design have comfortable rubberized handle which reduces fatigue and can be cleaned with acetone.
  Ambos diseño mediano y se alta resistencia tiene la manija comoda cubierta de goma que reduce fatiga y puede ser limpida con la acetona.

SCI-CG12HD



5.5" Cut Length

SCI-CG10HD



4.7" Cut Length

SCI-CG08MD



3.4" Cut Length

SCI-CG08R



SCI-CG08R	8" Radial Blade S.S. Serrated
SCI-CG08MD	8" Medium Duty S.S. Serrated
SCI-CG10MD	10" Medium Duty S.S. Serrated
SCI-CG10HD	10" Heavy Duty S.S. Serrated
SCI-CG12HD	12" Heavy Duty S.S. Serrated

Knife Edge Forged Steel Fiberglass Scissors

El borde de cuchillo forjó de tijeras de acero de fibra de vidrio

* Industrial grade scissors are made in the Germany for ES Manufacturing, and the rigors of the fiberglass & composite industry.
  Tijeras de grado industrial hechas en Estados Unidos por ES Manufacturing, Inc. y rigores para la industria de fibra de vidrio y compuestos.
* Specially treated blades for long life.
  Cuchillas especialmente tratadas para una vida duradera.
* Oversized contoured bows.
  Las más grandes tienen los arcos inclinados.
* Blades can easily be resharpened.
  Las cuchillas pueden ser facilmente afiladas.





Right Hand *Mano Derecha*

SCI-FS08 8” Fiberglass Knife-Edge Scissor
SCI-FS10 10” Fiberglass Knife-Edge Scissor
SCI-FS12 12” Fiberglass Knife-Edge Scissor

MXB075/MXB200 Drum Mixer/Agitator-

Agitador de Tambor

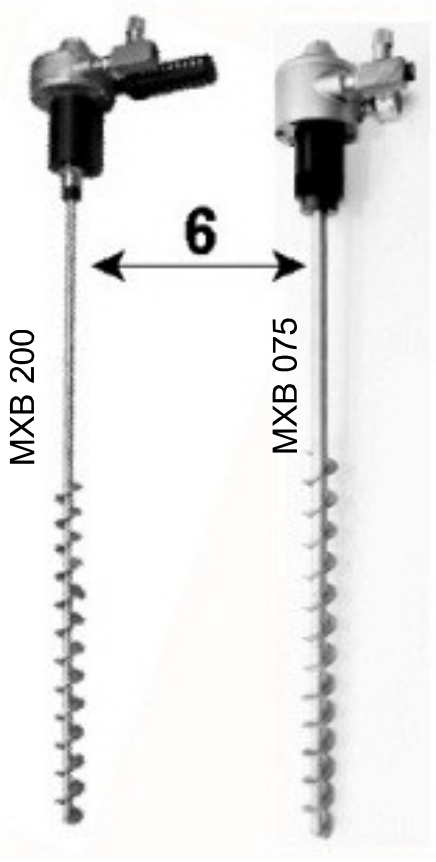
MXB075, ¾" Drum Agitator fits into the ¾" NPT hole in standard drums. It allows for uniform agitation of low to medium viscosity liquids, suspensions and thixotropic liquids while pumping simultaneously through the 2" opening. MXB-200 screws directly into the 2" NPT drum opening and has a 1.75" blade diameter for increase mixing surface.

MXB-075, ¾ "ajustes del mezclador del tambor en agujero de NPT del ¾" entambores estándares. Permite la agitación uniforme del punto bajo a los líquidos medios de viscosidad, suspensiones y líquidos thixotropic mientras que bombea simultáneamente con el 2" que se abre. Los tornillos nuevos del NPT MXB200 del 2"directamente en el tambor y tienen un diámetro de lámina del 1.75" para incrementar la superficie de la mezcla .

1. ¾ HP American made Gast air motor (MXB075) 1 ½ hp Gast air motor on MXB200.
   Motor de aire Gast Americano de ¾ HP
2. Unique stainless ¾" threads for long life. (MXB075 only). One piece anodized aluminum housing on MXB200.
   Tornillos de ¾" de acero inoxidable para que sean más duraderos.
3. Corrosion free Delrin resin block bushing to keep motor free from contamination.
   Libre de corrosion Delrin, bloquea la resina a los sellos y matiene el motor libre de contaminacion.
4. Color coded graduated 3/8" NPT needle valve for consistant mixing RPM.
   Valvula de aguja graduada y banada en color 3/8"
5. Stainless Steel Shaft construction.
   Eje construido de acero inoxidable.
6. 32" shaft length standard. Shorter shafts available by custom order.
   Eje de 32" (80mm) de largo.

* **Maximum air consumption – 25 CFM**
Consumo de aire maximo – 25CFM





Blade diameter is larger than the 3/4" NPT opening so to install rotate the blade into the ¾" of the drum, and then lock the stainless nipple into the drums threads. .

Girar la paleta dentro del tambor de ¾" NPTy apretar la tapa de acero, y enroscar dentro del tambor. El diametro de la paleta es mayor que la abertura de ¾" NPT.

DSA Dry Spray Equipment */Equipos para rociar materials secos*

Use to add materials such as ATH to gel coat for spray granite. This unit will also spray micro spheres for a smooth sandable surface. These units can be attached to most resin/gell coat spray-up machines. Heavy duty container will give years of service. Pneumatic activation assembly can be signaled from the chopper port on most machines. 25ft. of reinforced hose and activation line supplied.

Su uso es para añadir materials como "ATH" y gelcoat y esparcir granito. Esta unidad tambien puede rociar micro esferas para una superficie arenosa y suave. Puede ser adaptada a mucho de las maquinas que se usan para esparcir resina/gelcoat. Recipiente duradero que le dara anos de servicio. Su ensamblado y activacion puede ser senalados en la cortadora en muchas de las maquinas. Viene con 25 pies de una manga reforzada (8 metros) y la linea de activacion.

DSA-150-V25C



* PolyPro vacuum valve assembly to reduce condensation
  Nueva valvula polypro ensamblada para reducer condesacion.
* Large Diameter ¾ ID reinforced hose.
  Nueva manguera ¾ reforzada.
* Complete w/4 way valve activation and slide valve trigger
  Completa con 4 tipos de valvula de activacion y de valvula de gatillo.
* Unique graduated, color coded needle valve for accurate air control and material volume.
  Nueva aguja cofificada a color y graduada para un recibir un volumen exacto.
* 15 gallon graduated HDPE tank included screw w/vented lid.
  Tanque plastico graduado de 15 galones incluye tornillos y tapa.
* Standard 25ft. reinforced material hose.
  Manguera comun en material reforzado de 25 pies.
* 25ft. low volume LPDE activation hose included.
  Manguera de activacion de color codificada LDPE de 25 pies.



Shown here w/GlasCraft AAC

* All DSA's use a simple, efficient venture valve assembly for consistent granite and flake patterns.
  Valvula simple, eficiente ensamblada para la consitencia con el granito y superficies escamosas.
* All DSA's use a strong aluminum base for stable mounting with any spray up machine.
  Base fuerte de alumino para montaje estable en cualquier maquina de rociar.
* Unique to ES Mfg. is our low pressure vacuum generator that causes no disturbance in gel coat pattern.
  Unico en ES Manufacturing, generador de vacio y bajo volumen que no causa disturbios en los patrones de capas gelatinosas.
* Loc-Line adjustable nozzle with 1-1/4" flare fitting.
  Boquilla ajustable con union de 1-1/4" de ancho.

Catalyst Dispensers */Dispensador para Catalizadores*



MEK-035-16 Dispenser

Dosificador MEK03516

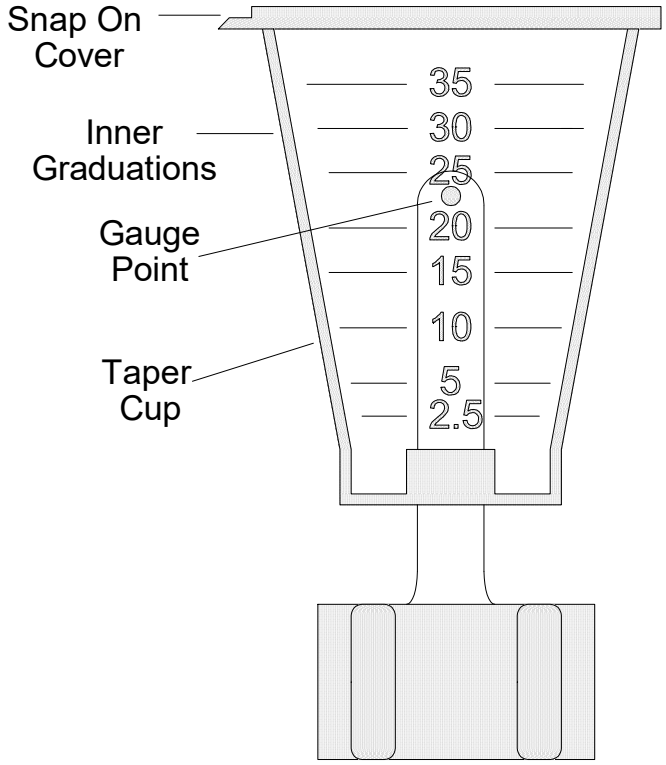
* Graduations from 2.5 to 35cc.
  Graduacion desde 2.5 a 35cc.
* Instantly repeatable.
  Repeticion instantanea.
* Tapered cup for greater accuracy.
  Copa translucida para más exactitud.
* Snap on Cover.
  Copa cubierta
* 16oz bottle.
  Botella de 16 onzas.



MEK-035-32 Dispenser

Dosificador MEK03532

* Graduations from 2.5 to 35cc.
  Graduacion desde 2.5 a 35cc.
* Instantly repeatable.
  Repeticion instantanea.
* Large 1 liter HDPE bottle.
  Botella grande de un litro
* More accurate than graduated cylinder styles.
  Más preciso que los estilos de cilindro graduado





MEK-100-16 Dispenser

Dosificadorr MEK10016

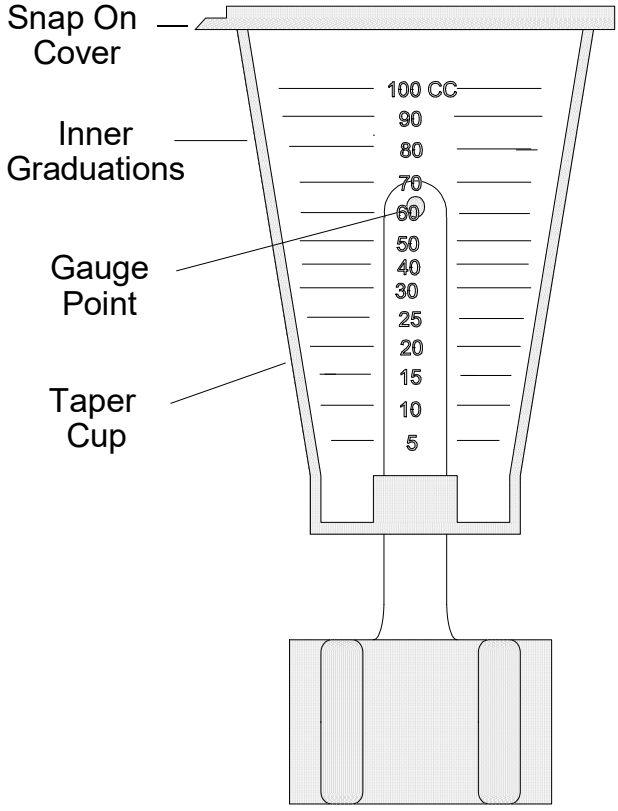
* Graduations from 5 to 100cc.
  Graduacion de 5 a 100cc
* Same tapered design as our MEK35.
  Mismo concepto de nuestro MEK 035-16
* Popular 16oz. LDPE squeeze bottle.
  Popular botella de 16oz.
* More accurate than graduated cylinder styles.
  Más preciso que estilos de cilindros gradaudos



MEK-100-32 Dispenser

Dosificador MEK10032

* Graduations from 5 to 100cc.
  Graduaciones desde 5 a 100cc
* Same design concept as our MEK35.
  El mismo concepto en diseno que el MEK-35
* Large 1 liter HDPE bottle.
  Botella grande de un litro
* More accurate than graduated cylinder styles.
  Más preciso que los estilos de cilindro graduado



SWISSPUMP MATERIAL DISPENSERS

Dosificador para Catalizadores "swisspump"



Wall mounted dispensers for accurate measurements of larger quantities of catalyst for hand lamination or laboratory. Stainless steel & glass construction for the pump area, anodized aluminum wall mount construction. Compact design to use limited wall space.

***D**osificador de pared para medidas exactas o grandes cantidades de calizador para laminar a mano o en laboratorios. De acero inoxidable y de vidrio esta fabricada la bomba. Construido en aluminio para montarlo en la pared. Diseño ocompacto para limitar espacios en la pared.*

SCD-025

Measure up to 25ccm in increments of 1ccm. The ideal pump of laboratories and experimental work when the highest levels of precision are needed.

***M**ide arriba de 25ccm e incrementa de 1ccm. La bomba ideal para laboratorios y trabajos experimentales, cuando los niveles de precision son altamente necesitados.*

SCD-100

Measures to 100ccm in increments of 1ccm and is the most popular size. Perfect for quantities from 2 to 5 liters of resin for hand lamination. (Our most popular model).

***M**ide hasta 100 ccm con incrementos de 1cc y es el tamaño más popular. Ideal para cantidades de 2 a 5 litros de resina para laminacion manual. (Nuestro modelo más popular)*

SCD500

Measures to 500ccm in increments of 10ccm. For accurate dispensing of large quantities of MEK, Acetone or other light viscosity materials.

***M**ide hasta 500cc con incremento de 10ccm. Para dispensar exactas y largas cantidades de MEK, acetona y otros materiales de viscosidad liviana.*

GCT 110 Gel Timer

Temporizador de gel GCT 110

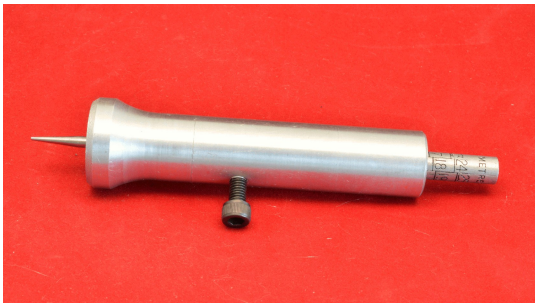


The GCT110 Gel Timers accurately determine the gel time of any resinous material or any two part component mixture. It incorporates quality features with simple operation and accuracy for making a simple test.
GCT 220 also available.
El GCT 110 Temporizador de gel determina el tiempo de materiales resinosos comon tambien cualquier tipo de compuestos mesclados. Incorpora caracteristicas de calidad para una operacion simple y exacta para una prueba simple.
Tambien disponible en GCT 220.

SIMPLE TO OPERATE!
Place the material sample in a throw-away cup. Insert the wire stirrer and set the counter to 'zero' and switch on the unit. A low torque motor rotates the wire stirrer in the catalyzed mixture and as gelation occurs, the drag exceeds torque and the motor stops. This signal alerts an electronic circuit which stops the clock and the gel time will be shown in the digital display. Read the gel time and discard the cup and stirrer. The GCT Gel Timer models can be left on with the full setting overnight without damaging the unit.
Facil de operar!
Heche el material en el vaso desechable. Inserte el agitador de alambre y fije opuestamente el boton de cambio a cero y encienda la unidad. El monitor de esfuerzo de torsion rota el agitador de alambre y en la mezcla catalizada occure la gelatizazion. La friccion excede el esfuerzo de tension que para el motor. Esta señal alerta un circuito electronico que para el reloj y el tiempo de gel y sera demostrado en el indicador digital. Lea el tiempo del gel y deseche su vaso con agitador de almbre. Los modelos de tiempo de gel GST se pueden dejar encendido con el ajuste completo de noche sin dañar la unidad.

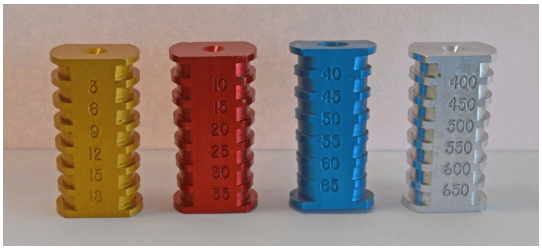
Max. Recording Time/Max. Tiempo de grabacion	*: 9999 minutes, :59 seconds (167 Hours)*
Min. Recording Time/Min. Tiempo de grabacion	*: 1 second*
Stir speed/Velocidad de mezcla	*: 20 rpm*
Accuracy/Extactitud	*: +/- 2%*
Electrical requirements/requeriniento elctrico	*: 110V / 60Hz*
Electrical connection/Conection Electrica	*: 3-wire grounded cord set*
Dimensions/Dimensiones	*: 7.5"L x 9"H x 5.5" W*
Weight /Peso	*: 2 kg*

CLG-026 Laminate Gauge */ Medidor laminado*



* Easy to read, metric graduated cylinder.
  Cilindro graduado facil de leer.
* Aluminum body w/steel lock for repeat measurements and test gauge usage.
  Cuerpo de aluminio con cerraduara de acero para repetir medias
* CNC machined accuracy.
  Hecho con precision.
* Stainless steel measuring probe.
  Perno de acero inoxidable para medir.
* Over 1" of travel/measurements
  Mas 1" de capacidad para medir.

MIL Gauges */ Medidor de densidad*



* Solid, anodized aluminum for long life.
  Aluminio anodizado y solido para más duracion.
* 4 sizes for a variety of FRP production applications.
  4 tamaños para más variedad de aplicaciones en produccion de FRP.
* Machined to close tolerances (0.0001") for guaranteed accuracy.
  Hechos a una tolerancia (0.0001") para una precision garantizada.

MLG-0318	3-18	Mils
MLG-1035	10-35	Mils
MLG-4065	40-65	Mils
MLG-Micron	400-650	Microns



DGS-025 ¼" (6mm) Mini Die Grinder

Mini cfm de la entrada de aire del ¼ (6mm) DGS-025
½" Drilling capacity – 22000 Free speed RPM – ¼" Air inlet
4 cfm (115 l/min) average air consumption – 1 ½ hp compressor recommended.
Mini cfm de la entrada de aire del ¼ del ½ de la amoladora DGS-025 de "capacidad que perfora -22000 velocidades libres RPM -" 4 (115l average de air por/minuto) 1 ½ hp compresor es recomendado.



DGR-025 ¼" (6mm) Angle Die Grinder

Perforadora Angular de 1/4" (6mm) DGR-025
½" Drilling capacity – 25000 Free speed RPM – ¼" Air inlet
4 cfm (115 l/min) average air consumption – 1 ½ hp compressor recommended.
½ de capacidad para perforar DGR-025 Velocidad Libre RPM - (115l average de air por/minuto) Se recomienda un compresor de 1 ½ hp.



COT-300 3" Cut Off Tool

Herramienta de cortar 3"
3" (76mm) capacity – 18000 Free speed RPM – ¼" Air inlet
4 cfm (115 l/min) average air consumption – 1 ½ hp compressor recommended.
3" (76m m) -18000 velocidades libres RPM - cfm de la entrada de aire del ¼ "4 (115l average de aire por/minuto). Se recomienda un compresor de 1 ½ hp.



ABS-601 Air Body Saw

Sierra de Aire ABS-601
Air powered reciprocating saw great for trimming excess materials from cured composite edges. Also handy for cutting our hatches and open areas.
Sierra accionada por aire para recortar exceso de material cuando los bordes del compuesto son curados. También práctica para cortar nuestras ventanillas y áreas abiertas.



Rubber Sanding Blocks

Bloque para lijar de goma

SB-900

Specifically designed holding sot grips the sandpaper firmly to reduce slipping & tearing. *Especialmente designado para mejor agarre y evitar resbalones y se deshilache la lija.*
Easy to hold soft sanding block body material stays comfortable in the hand. *Bloque para lijar suave y fácil de agarrar hecho con materiales que son confortables para las manos.*



Disposable Filter

Filtro para pistola de rociar de disponer

SB-500

Perfect for secondary water removal in small spray guns like our famous G100 Cup Gun caused by air line condensation.
Perfecto para remover agua secundaria en pequeñas pistolas de rociar como nuestra G100 Pistola de Copa, causada por la condensación de linea de aire.
1/4" Male outlet, 1/4" Female inlet to fit most small spray guns.
Salida de electricidad macho de 1/4" y entrada de electricidad hembra de 1/4" para ajustar las pistolas de rociar pequeñas.
Inexpensive enough to mount to all your spray equipment.
De bajo costo, para ser montado en todos los equipamientos de rociar.



Regulator/Gauge Combo

Combinación de Regulador/Medidor

SGF-025

0 - 150 PSI Regulator and guage, perfect for small sprayers and tools where air pressure readings at the tool is critical.
0 - 150 PSI Regulador y Medidor perfecto para rociadores y herramientas pequeñas donde la presione de aire en las herramientas son criticas para leer.
Plated assembly with knurled knob for instant tool pressure adjustment.
Reunión plegada con nudillo con prominencia para presión y ajustamiento instantáneo de las herramientas.
Large, 1" guage face with PSI and Bar readings.
Medidor de 1" de grande con PSI y barra de lectura.
Economical solution to harsh environments where expensive regulators make little sense.
Muy económico para ambientes en que los reguladores más caros no hacen sentido.



End Line Oiler

Línea engrasadora

Automatically lubricates air tools during use.	*Automaticamente lubrica las herramientas de aire en uso.*
Oil reservoir is made of high impact plastic.	*El deposito de aceíte esta hecho de plastico de granimpacto.*
Overall Length: 2" (50mm).	*Largo Total 2" (50mm)*
Always visible oil supply and oiling action.	*Fuente de aceite visible y engrasado.*
Air Inlet: ¼" NPT	*Entrada de Aire de ¼" NPT*
Air Outlet: ¼" NPT	*Salida de Aire ¼" NPT*

SWISSCUT 700-PRE GLASS FIBER SLITTER

Maquina para cortar rollos de Fibra Swiscut 700 Glassfibre



SwisCut 700-PRE



Shown here with optional extensions on both ends for large with rolls.

Aqui enseñado con extensiones optionales en cada lado para rollos grande

Until now, slitting glass fiber rolls was either too expensive for the average shop, or too cumbersome for the average laminator. Slitting rolls of glass fiber by conventional saws left uneven, frayed edges. More expensive machines mandate the purchase of expensive mandrels for every different diameter cardboard core. Unless you slit multiple pallets of glass per day, it just was not feasible.

The Swiss Cut 700-PRE is an ingenious design that does not rotate the glass, but slices through the glass with precision ground blades that reciprocate in opposing direction to gently shear though the glass and core leaving a perfect, straight edge. This designed and built in Switzerland machine is easier to use than it's counterparts, and meets tough European safety standards with it's guard design and shut-off sensors. It's anodized hopper assembly, ground stainless adjusting shafts and ball bearing slide adjustments insure long life in the harsh fiberglass shop environment. It even has casters on one end so it can be located in different areas in your shop.

Rollos de fibra, filamento cortado, petatillo, reimpregnado, y colchoneta son usualmente iguales de ancho. De cualquier modo, muchos fabricantes necesitan tamaños especiales. Como es dicho, que cortando a mano es un procedimiento muy laborioso.
Estas aplicaciones son las que el SWISCUT 700 le ahorrara dinero. No mas problemas son los diámetros deferentes de fibra. Simples mente ponga el rollo en la maquina y corte. No mas aprieto o estirados de la fibra. Aplique al mango presión leve para obtener la ación cortadora que desea.

Specifications:

Cutting Time: 30 Sec. Up tp 2 min. Depending on roll diameter, core thickness & blade sharpness.
Cutting Width: Minimum Approx. 50mm (2") with sharp bades
Cutting Diameter: 700mm (28")
Dimensions: 127 x 85cm, 132cm high Weight 125 kg.
Power Req. 220/440 3 phase motor with gear reduction and adjustable amperage motor starter

How to determine what style roller head to use.
This guide is only a guide, and your results may vary .

	Advantages (Ventajas)	Disadvantages (desventajas)
 Finned-Standard Aleta Normal	The most common style. Excellent air relief properties in nearly all applications. Our design reduces sheared fiber by insuring a radius is machined on each fin. El estilo mas común. Excelentes propiedades para el relevo del aire en casi todas las aplicaciones. Nuestros diseño asegura que la fibra no es cortada porque cada aleta esta hecha con un radio.	Ineffective if air pockets form under tightly knitted glass. Inefectivo si se forman bolsas de aire por de bajo de fibras de vidrio tejidas y apretadas.
 Slotted Paddle Rueda de Paleta	A new variation of the classic paddle. Excellent in new low VOC & heavily filled resins Nueva variación de paletas clásicas Excelente en nuevo y bajo VOC y resinas pesadas lleno	Still can splash resin if rolled out too fast. Todavía puede salpicar se es rolado muy rápido
 Paddle Wheel Rueda de Paleta	European style of roller, very effective air relief and easy cleanup. Many prefer this roller when working with knitted or uni-directional fibers. Estilo de rodillo europeo. Muy efectivo para sacar el aire y fácil de limpiar. Muchos prefieren este rodillo cuando están trabajando con fibras tejidas o unidireccionales.	Can splash resin if rolled too fast. Can re-impregnate if roll-out is to rapid. Puede salpicar resina y reimpregnarse si es rodado muy rápido.
 Bristle Cerda	Very good for skin coats and uni-directional fibers. Eliminates any glass fiber shearing. Works well on irregular surfaces. Es el mejor para la primera capa y fibras unidireccionales. Elimina cortes en la fibra. Trabaja muy bien con superficies irregulares.	These are the hardest rollers to clean. Can pick up glass in roll-out. El rodillo mas difícil de limpiar. Puede levantar fibras cuando es rodado.
 Bubble Buster Rompe barbuja	Excellent air relief properties in all applications. Preferred for epoxy & reinforced concrete work. Excelente propiedades para sacar El aire en todo tipo de aplicación. El material plástico asegura una larga vida. Preferido para trabajos con epoxi y concreto polymerico.	Not recommended for chopped glass. Also hard to clean, but easier than bristle rollers. No es recomendado para fibras cortadas. También es difícil de limpiar pero mas fácil que el rodillo de cerda.

How to determine what size roller head to use. This guide is only a guide, and your results will vary.
(Como determinar que tamaño de rodillo usted debe usar.
ta es solamente una guía y su resultado puede variar.)



Diameter
Diámetro

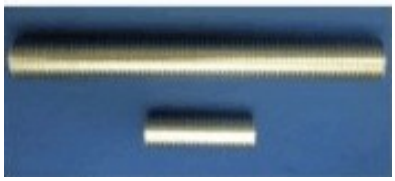
Choose the largest diameter possible. Spending a little extra on a roller will save in roll-out time. Your surface area of the roller increases 3x of diameter. This will increase the roll out time between cleaning. This is very important when using emulsifiers.



More About Diameter
Poco mas del diámetro

As the diameter of an ES Manufacturing, roller gets smaller, the fins get closer together and more shallow. By using smaller diameter rollers on thinner laminate, you relieve the smaller, more numerous air bubbles faster. Each ES laminating roller has custom form tools to machine the exact fin design and depth needed for maximum air relief.

Larger diameter rollers are generally easier to clean because their shafts are farther away from the laminate, and take less resin into the openings. As you can see, choosing diameter depends on the job and the fabricators opinion.



Length
Longitud

The longer the roller, the more area you can cover. When very large areas are rolled out, it may be beneficial to use a panel roller. Panel rollers are supported on both ends, to laminate more effectively.

ES Manufacturing, Incorporated

Elder & Son

Est. 1973

Engineered Solutions

Made in USA

Distributed Worldwide

Manufacturers of fine tools and accessories for the fiberglass and composite industries

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Vinoy Basin



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Distributed By:

ES Manufacturing, Inc.
4590 62nd Avenue North
Pinellas Park, Florida 33781 USA
Local/International 727-323-4040
Fax 727-327-9872
www.esmfg.com sales@esmfg.com