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The complete APG Product Line is listed on pages 74 and 75



Cam and Groove Couplings

Part A

Male Adapter x Female Thread

- NPT Standard
- BSP, BST & NPSM Available

Note: Cam and Groove Couplings are *NOT* designed for compressed gas applications.

EVER-TITE® Premium Cam and Groove Couplings				
Size	Aluminum	Forged Brass	316 Stainless Steel	Polypropylene
1/2"	**305AAL	**305ABR	**305ASS	*305APP
3/4"	307AAL	307ABR	307ASS	307APP
1"	310AAL	310ABR	310ASS	310APP
1-1/4"	312AAL	312ABR	312ASS	°312APP
1-1/2"	315AAL	315ABR	315ASS	315APP
2"	320AAL	320ABR	320ASS	320APP
2-1/2"	325AAL	325ABR	325ASS	—
3"	330AAL	330ABR	330ASS	330APP
4"	340AAL	340ABR	340ASS	340APP
5"	350AAL	†350ARB	350ASS	—
6"	360AAL	†360ARB	360ASS	—
8"	380AAL	—	—	—



EVER-TITE® Couplings also Available in
Hard Coat or Anodized Aluminum,
Monel, Hastalloy C, and Carpenter 20®

** EVER-TITE® and Tough-TITE™ 1/2" Aluminum, Brass and Stainless Parts are not interchangeable

†5" and 6" are Red Brass.

* on 1/2" size, the coupler and adapter portion is to the 3/4" standard.

° on 1-1/4" size, the coupler and adapter portion is to the 1-1/2" standard.

Tough-TITE™ Industrial Cam and Groove Couplings						
Size	Aluminum	Brass	316 Stainless Steel	Ductile Iron	Nylon	Polypropylene
1/2"	**3E05AAL	**3E05ACB	**3E05ASS	—	*3E05ANY	*3E05APP
3/4"	3E07AAL	3E07ACB	3E07ASS	—	3E07ANY	3E07APP
1"	3E10AAL	3E10ACB	3E10ASS	—	3E10ANY	3E10APP
1-1/4"	3E12AAL	3E12ACB	3E12ASS	—	°3E12ANY	°3E12APP
1-1/2"	3E15AAL	3E15ACB	3E15ASS	3E15ADI	3E15ANY	3E15APP
2"	3E20AAL	3E20ACB	3E20ASS	3E20ADI	3E20ANY	3E20APP
2-1/2"	3E25AAL	3E25ACB	3E25ASS	—	—	—
3"	3E30AAL	3E30ACB	3E30ASS	3E30ADI	3E30ANY	3E30APP
4"	3E40AAL	3E40ACB	3E40ASS	3E40ADI	3E40ANY	3E40APP
5"	3E50AAL	3E50ACB	—	—	—	—
6"	3E60AAL	3E60ACB	3E60ASS	—	—	—
8"	3E80AALA	—	3E80ASS	—	—	—



** EVER-TITE® and Tough-TITE™ 1/2" Aluminum, Brass and Stainless Parts are not interchangeable

* on 1/2" size, the coupler and adapter portion is to the 3/4" standard.

° on 1-1/4" size, the coupler and adapter portion is to the 1-1/2" standard.

U-TITE Utility Cam and Groove Couplings		
Size	Aluminum	316 Stainless Steel
1-1/2"	3U15AAL	3U15ASS
2"	3U20AAL	3U20ASS
3"	3U30AAL	3U30ASS
4"	3U40AAL	3U40ASS





Cam and Groove Couplings

Part B

Female Coupler x Male Thread

- NPT Standard
- BSP & BST Available

Note: Cam and Groove Couplings are NOT designed for compressed gas applications.

EVER-TITE® Premium Cam and Groove Couplings				
Size	Aluminum	Forged Brass	316 Stainless Steel	Polypropylene (Stainless Steel Handles)
1/2"	**305BAL	**305BBR	**305BSS	*305BPP
3/4"	307BAL	307BBR	307BSS	307BPP
1"	310BAL	310BBR	310BSS	310BPP
1-1/4"	312BAL	312BBR	312BSS	°312BPP
1-1/2"	315BAL	315BBR	315BSS	315BPP
2"	320BAL	320BBR	320BSS	320BPP
2-1/2"	325BAL	325BBR	325BSS	—
3"	330BAL	330BBR	330BSS	330BPP
4"	340BAL	340BBR	340BSS	340BPP
5"	350BAL	†350BRB	350BSS	—
6"	360BAL	†360BRB	360BSS	—
8"	ΔΔ380BAL	—	—	—

** EVER-TITE® and Tough-TITE™ 1/2" Aluminum, Brass and Stainless Parts are not interchangeable

†5" and 6" are Red Brass.

* on 1/2" size, the coupler and adapter portion is to the 3/4" standard.

° on 1-1/4" size, the coupler and adapter portion is to the 1-1/2" standard.

ΔΔ 8" Part has 4-handle design



Investment Cast Stainless Steel Handles
Standard on EVER-TITE® Aluminum Couplers (Brass Handles Available; Standard on 8" Parts)

EVER-TITE® Couplings also Available in
Hard Coat or Anodized Aluminum,
Monel, Hastalloy C, and Carpenter 20®

Tough-TITE™ Industrial Cam and Groove Couplings						
Size	Aluminum	Brass	316 Stainless Steel	Ductile Iron	Nylon (Stainless Steel Handles)	Polypropylene (Stainless Steel Handles)
1/2"	**3E05BAL	**3E05BCB	**3E05BSS	—	*3E05BNY	*3E05BPP
3/4"	3E07BAL	3E07BCB	3E07BSS	—	3E07BNY	3E07BPP
1"	3E10BAL	3E10BCB	3E10BSS	—	3E10BNY	3E10BPP
1-1/4"	3E12BAL	3E12BCB	3E12BSS	—	°3E12BNY	°3E12BPP
1-1/2"	3E15BAL	3E15BCB	3E15BSS	3E15BDI	3E15BNY	3E15BPP
2"	3E20BAL	3E20BCB	3E20BSS	3E20BDI	3E20BNY	3E20BPP
2-1/2"	3E25BAL	3E25BCB	3E25BSS	—	—	—
3"	3E30BAL	3E30BCB	3E30BSS	3E30BDI	3E30BNY	3E30BPP
4"	3E40BAL	3E40BCB	3E40BSS	3E40BDI	3E40BNY	3E40BPP
5"	3E50BAL	3E50BCB	—	—	—	—
6"	3E60BAL	3E60BCB	3E60BSS	—	—	—
8"	—	—	—	—	—	—

** EVER-TITE® and Tough-TITE™ 1/2" Aluminum, Brass and Stainless Parts are not interchangeable

* on 1/2" size, the coupler and adapter portion is to the 3/4" standard.

° on 1-1/4" size, the coupler and adapter portion is to the 1-1/2" standard.



Brass Handles Standard
on Tough-Tite™ Aluminum Couplers

U-TITE Utility Cam and Groove Couplings		
Size	Aluminum	316 Stainless Steel
1-1/2"	3U15BAL	3U15BSS
2"	3U20BAL	3U20BSS
3"	3U30BAL	3U30BSS
4"	3U40BAL	3U40BSS



Brass Handles Standard on U-TITE Aluminum Couplers



Cam and Groove Couplings

Part C

Female Coupler x Hose Shank

Note: Cam and Groove Couplings are **NOT** designed for compressed gas applications.

EVER-TITE® Premium Cam and Groove Couplings				
Size	Aluminum	Forged Brass	316 Stainless Steel	Polypropylene (Stainless Steel Handles)
1/2"	**305CAL	**305CBR	**305CSS	*305CPP
3/4"	307CAL	307CBR	307CSS	307CPP
1"	^310CAL	310CBR	310CSS	310CPP
1-1/4"	312CAL	312CBR	312CSS	^312CPP
1-1/2"	^315CAL	315CBR	315CSS	315CPP
2"	^320CAL	320CBR	320CSS	320CPP
2-1/2"	^325CAL	325CBR	325CSS	—
3"	^330CAL	330CBR	330CSS	330CPP
4"	^340CAL	340CBR	340CSS	340CPP
5"	^350CAL	^350CRB	350CSS	—
6"	^^360CAL	^360CRB	360CSS	—
8"	^^380CAL	—	—	—

** EVER-TITE® and Tough-TITE™ 1/2" Aluminum, Brass and Stainless Parts are not interchangeable

^ 1", 1-1/2", 2", 2-1/2", 3", 4", 5" and 6" aluminum parts have machined shanks.

^ 5" and 6" are Red Brass.

^ on 1/2" size, the coupler and adapter portion is to the 3/4" standard.

^ on 1-1/4" size, the coupler and adapter portion is to the 1-1/2" standard.

^^ 6" Aluminum available in 4-handle design (360CAL4)

^^ 8" Part has 4-handle design



Investment Cast Stainless Steel Handles
Standard on EVER-TITE® Aluminum Couplers (Brass Handles Available; Standard on 8" Parts)

EVER-TITE® Couplings also Available in
Hard Coat or Anodized Aluminum
Monel, Hastalloy C, and Carpenter 20®

Tough-TITE™ Industrial Cam and Groove Couplings						
Size	Aluminum	Brass	316 Stainless Steel	Ductile Iron	Nylon (Stainless Steel Handles)	Polypropylene (Stainless Steel Handles)
1/2"	**3E05CAL	**3E05CCB	**3E05CSS	—	*3E05CNY	*3E05CPP
3/4"	3E07CAL	3E07CCB	3E07CSS	—	3E07CNY	3E07CPP
1"	3E10CAL	3E10CCB	3E10CSS	—	3E10CNY	3E10CPP
1-1/4"	3E12CAL	3E12CCB	3E12CSS	—	^3E12CNY	^3E12CPP
1-1/2"	3E15CAL	3E15CCB	3E15CSS	3E15CDI	3E15CNY	3E15CPP
2"	3E20CAL	3E20CCB	3E20CSS	3E20CDI	3E20CNY	3E20CPP
2-1/2"	3E25CAL	3E25CCB	3E25CSS	—	—	—
3"	3E30CAL	3E30CCB	3E30CSS	3E30CDI	3E30CNY	3E30CPP
4"	3E40CAL	3E40CCB	3E40CSS	3E40CDI	3E40CNY	3E40CPP
5"	3E50CAL	3E50CCB	—	—	—	—
6"	3E60CAL	3E60CCB	3E60CSS	—	—	—
8"	^^3E80CALA	—	3E80CSS	—	—	—

** EVER-TITE® and Tough-TITE™ 1/2" Aluminum, Brass and Stainless Parts are not interchangeable

* on 1/2" size, the coupler and adapter portion is to the 3/4" standard.

^ on 1-1/4" size, the coupler and adapter portion is to the 1-1/2" standard.

^^ 8" Part has 4-handle design



Brass Handles Standard
on Tough-Tight™
Aluminum Couplers

U-TITE Utility Cam and Groove Couplings		
Size	Aluminum	316 Stainless Steel
1-1/2"	3U15CAL	3U15CSS
2"	3U20CAL	3U20CSS
3"	3U30CAL	3U30CSS
4"	3U40CAL	3U40CSS



Brass Handles Standard on U-TITE Aluminum Couplers



Cam and Groove Couplings

Part D

Female Coupler x Female Thread
-NPT Standard
-BSP, BST, & NPSM Available

Note: Cam and Groove Couplings are NOT designed for compressed gas applications.

EVER-TITE® Premium Cam and Groove Couplings				
Size	Aluminum	Forged Brass	316 Stainless Steel	Polypropylene (Stainless Steel Handles)
1/2"	**305DAL	**305DBR	**305DSS	*305DPP
3/4"	307DAL	307DBR	307DSS	307DPP
1"	310DAL	310DBR	310DSS	310DPP
1-1/4"	312DAL	312DBR	312DSS	*312DPP
1-1/2"	315DAL	315DBR	315DSS	315DPP
2"	320DAL	320DBR	320DSS	320DPP
2-1/2"	325DAL	325DBR	325DSS	—
3"	330DAL	330DBR	††330DSS	330DPP
4"	340DAL	340DBR	††340DSS	340DPP
5"	350DAL	†350DRB	350DSS	—
6"	360DAL	†360DRB	††360DSS	—
8"	ΔΔ380DAL	—	—	—



Investment Cast Stainless Steel Handles
Standard on EVER-TITE® Aluminum
Couplers (Brass Handles Available;
Standard on 8" Parts)

EVER-TITE® Couplings also Available in
Hard Coat or Anodized Aluminum
Monel, Hastalloy C, and Carpenter 20®

** EVER-TITE® and Tough-TITE™ 1/2" Aluminum, Brass and Stainless Parts are not interchangeable

† 5" and 6" are Red Brass.

* on 1/2" size, the coupler and adapter portion is to the 3/4" standard.

° on 1-1/4" size, the coupler and adapter portion is to the 1-1/2" standard.

†† 3", 4" and 6" Stainless Steel available in 4-handle design

ΔΔ 8" Part has 4-handle design

Tough-TITE™ Industrial Cam and Groove Couplings						
Size	Aluminum	Brass	316 Stainless Steel	Ductile Iron	Nylon (Stainless Steel Handles)	Polypropylene (Stainless Steel Handles)
1/2"	**3E05DAL	**3E05DCB	**3E05DSS	—	*3E05DNY	*3E05DPP
3/4"	3E07DAL	3E07DCB	3E07DSS	—	3E07DNY	3E07DPP
1"	3E10DAL	3E10DCB	3E10DSS	—	3E10DNY	3E10DPP
1-1/4"	3E12DAL	3E12DCB	3E12DSS	—	°3E12DNY	°3E12DPP
1-1/2"	3E15DAL	3E15DCB	3E15DSS	3E15DDI	3E15DNY	3E15DPP
2"	3E20DAL	3E20DCB	3E20DSS	3E20DDI	3E20DNY	3E20DPP
2-1/2"	3E25DAL	3E25DCB	3E25DSS	—	—	—
3"	3E30DAL	3E30DCB	3E30DSS	3E30DDI	3E30DNY	3E30DPP
4"	3E40DAL	3E40DCB	3E40DSS	3E40DDI	3E40DNY	3E40DPP
5"	3E50DAL	3E50DCB	—	—	—	—
6"	3E60DAL	3E60DCB	3E60DSS	—	—	—
8"	ΔΔ3E80DALA	—	3E80DSS	—	—	—



Brass Handles Standard
on Tough-TITE™
Aluminum Couplers

** EVER-TITE® and Tough-TITE™ 1/2" Aluminum, Brass and Stainless Parts are not interchangeable

* on 1/2" size, the coupler and adapter portion is to the 3/4" standard.

° on 1-1/4" size, the coupler and adapter portion is to the 1-1/2" standard.

ΔΔ 8" Part has 4-handle design

U-TITE Utility Cam and Groove Couplings		
Size	Aluminum	316 Stainless Steel
1-1/2"	3U15DAL	3U15DSS
2"	3U20DAL	3U20DSS
3"	3U30DAL	3U30DSS
4"	3U40DAL	3U40DSS



Brass Handles Standard on U-TITE Aluminum Couplers

Note: If a dash (—) appears in lieu of a published part number, please inquire regarding current availability.



Cam and Groove Couplings

Part E

Male Adapter x Hose Shank

Note: Cam and Groove Couplings are **NOT** designed for compressed gas applications.

EVER-TITE® Premium Cam and Groove Couplings				
Size	Aluminum	Forged Brass	316 Stainless Steel	Polypropylene
1/2"	**305EAL	**305EBR	**305ESS	*305EPP
3/4"	307EAL	307EBR	307ESS	307EPP
1"	310EAL	310EBR	310ESS	310EPP
1-1/4"	312EAL	312EBR	312ESS	312EPP
1-1/2"	315EAL	315EBR	315ESS	315EPP
2"	320EAL	320EBR	320ESS	320EPP
2-1/2"	325EAL	325EBR	325ESS	—
3"	330EAL	330EBR	330ESS	330EPP
4"	340EAL	340EBR	340ESS	340EPP
5"	350EAL	350ERB	350ESS	—
6"	360EAL	360ERB	360ESS	—
8"	380EAL	—	—	—



EVER-TITE® Couplings also Available in
Hard Coat or Anodized Aluminum
Monel, Hastalloy C, and Carpenter 20®

** EVER-TITE® and Tough-TITE™ 1/2" Aluminum, Brass and Stainless Parts are not interchangeable

^ 1", 1-1/2", 2", 2-1/2", 3", 4", 5" and 6" aluminum parts have machined shanks.

^ 5" and 6" are Red Brass.

* on 1/2" size, the coupler and adapter portion is to the 3/4" standard.

^ on 1-1/4" size, the coupler and adapter portion is to the 1-1/2" standard.

Tough-TITE™ Industrial Cam and Groove Couplings						
Size	Aluminum	Brass	316 Stainless Steel	Ductile Iron	Nylon	Polypropylene
1/2"	**3E05EAL	**3E05ECB	**3E05ESS	—	*3E05ENY	*3E05EPP
3/4"	3E07EAL	3E07ECB	3E07ESS	—	3E07ENY	3E07EPP
1"	3E10EAL	3E10ECB	3E10ESS	—	3E10ENY	3E10EPP
1-1/4"	3E12EAL	3E12ECB	3E12ESS	—	3E12ENY	3E12EPP
1-1/2"	3E15EAL	3E15ECB	3E15ESS	3E15EDI	3E15ENY	3E15EPP
2"	3E20EAL	3E20ECB	3E20ESS	3E20EDI	3E20ENY	3E20EPP
2-1/2"	3E25EAL	3E25ECB	3E25ESS	—	—	—
3"	3E30EAL	3E30ECB	3E30ESS	3E30EDI	3E30ENY	3E30EPP
4"	3E40EAL	3E40ECB	3E40ESS	3E40EDI	3E40ENY	3E40EPP
5"	3E50EAL	3E50ECB	—	—	—	—
6"	3E60EAL	3E60ECB	3E60ESS	—	—	—
8"	3E80EAL	—	3E80ESS	—	—	—



** EVER-TITE® and Tough-TITE™ 1/2" Aluminum, Brass and Stainless Parts are not interchangeable

* on 1/2" size, the coupler and adapter portion is to the 3/4" standard.

^ on 1-1/4" size, the coupler and adapter portion is to the 1-1/2" standard.

U-TITE Utility Cam and Groove Couplings		
Size	Aluminum	316 Stainless Steel
1-1/2"	3U15EAL	3U15ESS
2"	3U20EAL	3U20ESS
3"	3U30EAL	3U30ESS
4"	3U40EAL	3U40ESS





Cam and Groove Couplings

Part F

Male Adapter x Male Thread
-NPT Standard
-BSP, BST, & NPSM Available

Note: Cam and Groove Couplings are **NOT** designed for compressed gas applications.

EVER-TITE® Premium Cam and Groove Couplings				
Size	Aluminum	Forged Brass	316 Stainless Steel	Polypropylene
1/2"	**305FAL	**305FBR	**305FSS	*305FPP
3/4"	307FAL	307FBR	307FSS	307FPP
1"	310FAL	310FBR	310FSS	310FPP
1-1/4"	312FAL	312FBR	312FSS	312FPP
1-1/2"	315FAL	315EBR	315FSS	315FPP
2"	320FAL	320FBR	320FSS	320FPP
2-1/2"	325FAL	325FBR	325FSS	—
3"	330FAL	330FBR	330FSS	330FPP
4"	340FAL	340FBR	340FSS	340FPP
5"	350FAL	†350FRB	350FSS	—
6"	360FAL	†360FRB	360FSS	—
8"	380FAL	—	—	—

** EVER-TITE® and Tough-TITE™ 1/2" Aluminum, Brass and Stainless Parts are not interchangeable

†5" and 6" are Red Brass.

* on 1/2" size, the coupler and adapter portion is to the 3/4" standard.

° on 1-1/4" size, the coupler and adapter portion is to the 1-1/2" standard.



EVER-TITE® Couplings also Available in
Hard Coat or Anodized Aluminum
Monel, Hastalloy C, and Carpenter 20®

Tough-TITE™ Industrial Cam and Groove Couplings						
Size	Aluminum	Brass	316 Stainless Steel	Ductile Iron	Nylon	Polypropylene
1/2"	**3E05FAL	**3E05FCB	**3E05FSS	—	*3E05FNY	*3E05FPP
3/4"	3E07FAL	3E07FCB	3E07FSS	—	3E07FNY	3E07FPP
1"	3E10FAL	3E10FCB	3E10FSS	—	3E10FNY	3E10FPP
1-1/4"	3E12FAL	3E12FCB	3E12FSS	—	°3E12FNY	°3E12FPP
1-1/2"	3E15FAL	3E15FCB	3E15FSS	3E15FDI	3E15FNY	3E15FPP
2"	3E20FAL	3E20FCB	3E20FSS	3E20FDI	3E20FNY	3E20FPP
2-1/2"	3E25FAL	3E25FCB	3E25FSS	—	—	—
3"	3E30FAL	3E30FCB	3E30FSS	3E30FDI	3E30FNY	3E30FPP
4"	3E40FAL	3E40FCB	3E40FSS	3E40FDI	3E40FNY	3E40FPP
5"	3E50FAL	3E50FCB	—	—	—	—
6"	3E60FAL	3E60FCB	3E60FSS	—	—	—
8"	3E80FALA	—	—	—	—	—

** EVER-TITE® and Tough-TITE™ 1/2" Aluminum, Brass and Stainless Parts are not interchangeable

* on 1/2" size, the coupler and adapter portion is to the 3/4" standard.

° on 1-1/4" size, the coupler and adapter portion is to the 1-1/2" standard.



U-TITE Utility Cam and Groove Couplings		
Size	Aluminum	316 Stainless Steel
1-1/2"	3U15FAL	3U15FSS
2"	3U20FAL	3U20FSS
3"	3U30FAL	3U30FSS
4"	3U40FAL	3U40FSS



Note: If a dash (—) appears in lieu of a published part number, please inquire regarding current availability.



Cam and Groove Couplings

Part DC

Dust Cap

Note: Cam and Groove Couplings are **NOT** designed for compressed gas applications.

EVER-TITE® Premium Cam and Groove Couplings				
Size	Aluminum	Forged Brass	316 Stainless Steel	Polypropylene (Stainless Steel Handles)
1/2"	**305DCAL	**305DCBR	**305DCSS	*305DCPP
3/4"	307DCAL	307DCBR	307DCSS	307DCPP
1"	310DCAL	310DCBR	310DCSS	310DCPP
1-1/4"	312DCAL	312DCBR	312DCSS	*312DCPP
1-1/2"	315DCAL	315DCBR	315DCSS	315DCPP
2"	320DCAL	320DCBR	320DCSS	320DCPP
2-1/2"	325DCAL	325DCBR	325DCSS	—
3"	330DCAL	330DCBR	330DCSS	330DCPP
4"	340DCAL	340DCBR	340DCSS	340DCPP
5"	350DCAL	†350DCRB	350DCSS	—
6"	360DCAL	†360DCRB	360DCSS	—
8"	ΔΔ380DCAL	—	—	—

** EVER-TITE® and Tough-TITE™ 1/2" Aluminum, Brass and Stainless Parts are not interchangeable

†5" and 6" are Red Brass.

* on 1/2" size, the coupler and adapter portion is to the 3/4" standard.

° on 1-1/4" size, the coupler and adapter portion is to the 1-1/2" standard.

ΔΔ 8" Part has 4-handle design



Investment Cast Stainless Steel Handles Standard on EVER-TITE® Aluminum Couplers (Brass Handles Available; Standard on 8" Parts)

EVER-TITE® Couplings also Available in Hard Coat or Anodized Aluminum Monel, Hastalloy C, and Carpenter 20®

Tough-TITE™ Industrial Cam and Groove Couplings						
Size	Aluminum	Brass	316 Stainless Steel	Ductile Iron	Nylon (Stainless Steel Handles)	Polypropylene (Stainless Steel Handles)
1/2"	**3E05DCAL	**3E05DCCB	**3E05DCSS	—	*3E05DCNY	*3E05DCPP
3/4"	3E07DCAL	3E07DCCB	3E07DCSS	—	3E07DCNY	3E07DCPP
1"	3E10DCAL	3E10DCCB	3E10DCSS	—	3E10DCNY	3E10DCPP
1-1/4"	3E12DCAL	3E12DCCB	3E12DCSS	—	°3E12DCNY	°3E12DCPP
1-1/2"	3E15DCAL	3E15DCCB	3E15DCSS	3E15DCDI	3E15DCNY	3E15DCPP
2"	3E20DCAL	3E20DCCB	3E20DCSS	3E20DCDI	3E20DCNY	3E20DCPP
2-1/2"	3E25DCAL	3E25DCCB	3E25DCSS	—	—	—
3"	3E30DCAL	3E30DCCB	3E30DCSS	3E30DCDI	3E30DCNY	3E30DCPP
4"	3E40DCAL	3E40DCCB	3E40DCSS	3E40DCDI	3E40DCNY	3E40DCPP
5"	3E50DCAL	3E50DCCB	—	—	—	—
6"	3E60DCAL	3E60DCCB	3E60DCSS	—	—	—
8"	ΔΔ3E80DCAL	—	3E80DCSS	—	—	—

** EVER-TITE® and Tough-TITE™ 1/2" Aluminum, Brass and Stainless Parts are not interchangeable

* on 1/2" size, the coupler and adapter portion is to the 3/4" standard.

° on 1-1/4" size, the coupler and adapter portion is to the 1-1/2" standard.

ΔΔ 8" Part has 4-handle design



Brass Handles Standard on Tough-TITE™ Aluminum Couplers

U-TITE Utility Cam and Groove Couplings		
Size	Aluminum	316 Stainless Steel
1-1/2"	3U15DCAL	3U15DCSS
2"	3U20DCAL	3U20DCSS
3"	3U30DCAL	3U30DCSS
4"	3U40DCAL	3U40DCSS



Brass Handles Standard on U-TITE Aluminum Couplers



Cam and Groove Couplings

Part DP

Dust Plug
Not to be used in pressure applications

Note: Cam and Groove Couplings are NOT designed for compressed gas applications.

EVER-TITE® Premium Cam and Groove Couplings				
Size	Aluminum	Forged Brass	316 Stainless Steel	Polypropylene
1/2"	**305DPAL	**305DPBR	**305DPSS	*305DPPP
3/4"	307DPAL	307DPBR	307DPSS	307DPPP
1"	310DPAL	310DPBR	310DPSS	310DPPP
1-1/4"	312DPAL	312DPBR	312DPSS	*312DPPP
1-1/2"	315DPAL	315DPBR	315DPSS	315DPPP
2"	320DPAL	320DPBR	320DPSS	320DPPP
2-1/2"	325DPAL	325DPBR	325DPSS	—
3"	330DPAL	330DPBR	330DPSS	330DPPP
4"	340DPAL	340DPBR	340DPSS	340DPPP
5"	350DPAL	*350DPRB	350DPSS	—
6"	360DPAL	*360DPRB	360DPSS	—
8"	380DPAL	—	—	—

** EVER-TITE® and Tough-TITE™ 1/2" Aluminum, Brass and Stainless Parts are not interchangeable

*5" and 6" are Red Brass.

* on 1/2" size, the coupler and adapter portion is to the 3/4" standard.

° on 1-1/4" size, the coupler and adapter portion is to the 1-1/2" standard.



**EVER-TITE® Couplings also Available in
Hard Coat or Anodized Aluminum
Monel, Hastalloy C, and Carpenter 20®**

Tough-TITE™ Industrial Cam and Groove Couplings						
Size	Aluminum	Brass	316 Stainless Steel	Ductile Iron	Nylon	Polypropylene
1/2"	**3E05DPAL	**3E05DPCB	**3E05DPSS	—	*3E05DPNY	*3E05DPPP
3/4"	3E07DPAL	3E07DPCB	3E07DPSS	—	3E07DPNY	3E07DPPP
1"	3E10DPAL	3E10DPCB	3E10DPSS	—	3E10DPNY	3E10DPPP
1-1/4"	3E12DPAL	3E12DPCB	3E12DPSS	—	—	—
1-1/2"	3E15DPAL	3E15DPCB	3E15DPSS	3E15DPDI	3E15DPNY	3E15DPPP
2"	3E20DPAL	3E20DPCB	3E20DPSS	3E20DPDI	3E20DPNY	3E20DPPP
2-1/2"	3E25DPAL	3E25DPCB	3E25DPSS	—	—	—
3"	3E30DPAL	3E30DPCB	3E30DPSS	3E30DPDI	3E30DPNY	3E30DPPP
4"	3E40DPAL	3E40DPCB	3E40DPSS	3E40DPDI	3E40DPNY	3E40DPPP
5"	3E50DPAL	3E50DPCB	—	—	—	—
6"	3E60DPAL	3E60DPCB	3E60DPSS	—	—	—
8"	—	—	3E80DPSS	—	—	—

** EVER-TITE® and Tough-TITE™ 1/2" Aluminum, Brass and Stainless Parts are not interchangeable

* on 1/2" size, the coupler and adapter portion is to the 3/4" standard.



U-TITE Utility Cam and Groove Couplings		
Size	Aluminum	316 Stainless Steel
1-1/2"	3U15DPAL	3U15DPSS
2"	3U20DPAL	3U20DPSS
3"	3U30DPAL	3U30DPSS
4"	3U40DPAL	3U40DPSS



Note: If a dash (—) appears in lieu of a published part number, please inquire regarding current availability.



Cam and Groove Couplings

EVER-TITE® Locking Handle Couplers

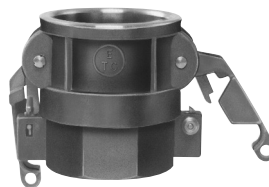
Note: Cam and Groove Couplings are **NOT** designed for compressed gas applications.

Model 101

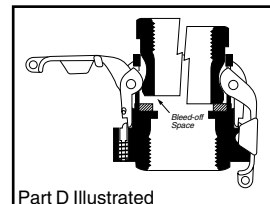
Double-Locking Handle Bleed-Off Couplers

The **ONLY** bleed-off coupler available

- Extra security – two sets of locking handles
- Releasing one set of handles will bleed off hose pressure
- During bleed-off, handles can be securely reclosed



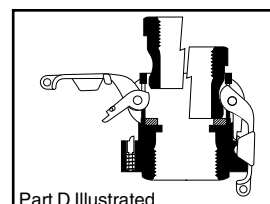
Part D



Part D Illustrated

Lift up the outer set of handles into the bleed-off position while the locked inner handles hold the adapter within the coupling.

Size	Part C			Part D		
	Aluminum	Forged Brass	316 Stainless Steel	Aluminum	Brass	316 Stainless Steel
1"	—	—	310CLHSS101	—	310DLHBR101	310DLHSS101
1-1/2"	315CLHAL101	—	315CLHSS101	315DLHAL101	315DLHBR101	315DLHSS101
2"	320CLHAL101	—	320CLHSS101	320DLHAL101	320DLHBR101	320DLHSS101
2-1/2"	—	—	325CLHSS101	—	325DLHBR101	325DLHSS101
3"	330CLHAL101	—	330CLHSS101	330DLHAL101	330DLHBR101	330DLHSS101
4"	340CLHAL101	—	340CLHSS101	340DLHAL101	340DLHBR101	340DLHSS101



Part D Illustrated

When fully bleed-off, pull down on the latch button (not shown) to release the inner set of handles, held by the spring-loaded latch, allowing the coupling to be fully disconnected.

Model 102

Positive-Locking Handle Couplers

The industry standard for locking handle couplers

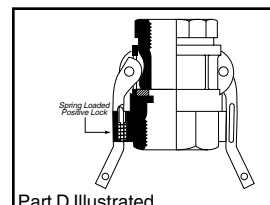
- Most secure locking handle design available
- Requires **NO** special action to close
- Deliberate release of locking mechanism required to open



Part C



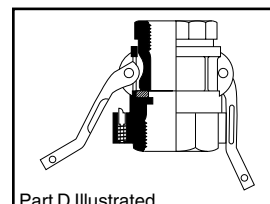
Part D



Part D Illustrated

Coupling and male adapter in the locked position. The handles cannot be inadvertently pulled open.

Size	Part C			Part D		
	Aluminum	Forged Brass	316 Stainless Steel	Aluminum	Brass	316 Stainless Steel
1"	—	—	310CLHSS102	—	310DLHBR102	310DLHSS102
1-1/2"	315CLHAL102	—	315CLHSS102	315DLHAL102	315DLHBR102	315DLHSS102
2"	320CLHAL102	—	320CLHSS102	320DLHAL102	320DLHBR102	320DLHSS102
2-1/2"	—	—	325CLHSS102	—	325DLHBR102	325DLHSS102
3"	330CLHAL102	—	330CLHSS102	330DLHAL102	330DLHBR102	330DLHSS102
4"	340CLHAL102	—	340CLHSS102	340DLHAL102	340DLHBR102	340DLHSS102



Part D Illustrated

To release the lock, pull down on the latch buttons and lift up the handles.



EVER-TITE® Cam and Groove Couplings

Tough-TITE™ Locking Handle Couplers

Note: Cam and Groove Couplings are *NOT* designed for compressed gas applications.

Part B

Female Coupler x
Male Thread



Part C

Female Coupler x
Hose Shank



Part D

Female Coupler x
Female Thread



Part DC

Dust Cap



316 Stainless Steel				
Size	Part B	Part C	Part D	Part DC
1-1/4"	3E12BLHSS	3E12CLHSS	3E12DLHSS	3E12DCLHSS
1-1/2"	3E15BLHSS	3E15CLHSS	3E15DLHSS	3E15DCLHSS
2"	3E20BLHSS	3E20CLHSS	3E20DLHSS	3E20DCLHSS
2-1/2"	3E25BLHSS	3E25CLHSS	3E25DLHSS	3E25DCLHSS
3"	3E30BLHSS	3E30CLHSS	3E30DLHSS	3E30DCLHSS
4"	3E40BLHSS	3E40CLHSS	3E40DLHSS	3E40DCLHSS
6"	3E60BLHSS	3E60CLHSS	3E60DLHSS	3E60DCLHSS

Safety Clips can be used with locking handle couplers. (Included)

Recommended Maximum Working Pressures for Cam & Groove Couplings

Material	Pressure Rating											
	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"
Aluminum	250	250	250	250	250	250	150	125	100	75	75	50
Cast Brass	200	200	200	200	200	200	150	125	100	75	75	—
Forged Brass	350	350	350	350	350	350	250	250	100	—	—	—
Heavy Duty Cast Brass	300	300	300	300	300	225	200	200	—	—	—	—
Stainless Steel	250	250	250	250	250	250	200	200	100	75	75	—
Ductile Iron	—	—	—	—	125	125	—	100	100	—	—	—
Nylon	100	100	100	100	100	100	—	100	75	—	—	—
Polypropylene	100	100	100	100	100	100	—	100	75	—	—	—
Monel	250	250	250	250	250	250	200	200	150	75	75	—
Hastalloy C	250	250	250	250	250	250	200	200	150	75	75	—
Carpenter 20	250	250	250	250	250	250	200	200	150	75	75	—



Cam and Groove Couplings

EVER-TITE® Premium Butt Weld and Socket Weld Couplings

Note: Cam and Groove Couplings are **NOT** designed for compressed gas applications.



**Part A
Butt Weld**



**Part D
Butt Weld**

Size	Part A Adapter				Part D Coupler			
	Butt Weld				Butt Weld			
	Tube		Pipe		Tube		Pipe	
	Aluminum	316 Stainless Steel	Aluminum	316 Stainless Steel	Aluminum	316 Stainless Steel	Aluminum	316 Stainless Steel
3/4	307ABWALT	307ABWSST	307ABWALP10 307ABWALP40	307ABWSSP10 307ABWSSP40	307DBWALT	307DBWSST	307DBWALP10 307DBWALP40	307DBWSSP10 307DBWSSP40
1	310ABWALT	310ABWSST	310ABWALP10 310ABWALP40	310ABWSSP10 310ABWSSP40	310DBWALT	310DBWSST	310DBWALP10 310DBWALP40	310DBWSSP10 310DBWSSP40
1-1/2	315ABWALT	315ABWSST	315ABWALP10 315ABWALP40	315ABWSSP10 315ABWSSP40	315DBWALT	315DBWSST	315DBWALP10 315DBWALP40	315DBWSSP10 315DBWSSP40
2	320ABWALT	320ABWSST	320ABWALP10 320ABWALP40	320ABWSSP10 320ABWSSP40	320DBWALT	320DBWSST	320DBWALP10 320DBWALP40	320DBWSSP10 320DBWSSP40
2-1/2	325ABWALT	325ABWSST	325ABWALP10 325ABWALP40	325ABWSSP10 325ABWSSP40	325DBWALT	325DBWSST	325DBWALP10 325DBWALP40	325DBWSSP10 325DBWSSP40
3	330ABWALT	330ABWSST	330ABWALP10 330ABWALP40	330ABWSSP10 330ABWSSP40	330DBWALT	330DBWSST	330DBWALP10 330DBWALP40	330DBWSSP10 330DBWSSP40
4	340ABWALT	340ABWSST	340ABWALP10 340ABWALP40	340ABWSSP10 340ABWSSP40	340DBWALT	340DBWSST	340DBWALP10 340DBWALP40	340DBWSSP10 340DBWSSP40
5	350ABWALT	350ABWSST	350ABWALP10 350ABWALP40	350ABWSSP10 350ABWSSP40	350DBWALT	350DBWSST	350DBWALP10 350DBWALP40	350DBWSSP10 350DBWSSP40
6	360ABWALT	360ABWSST	360ABWALP10 360ABWALP40	360ABWSSP10 360ABWSSP40	360DBWALT	360DBWSST	360DBWALP10 360DBWALP40	360DBWSSP10 360DBWSSP40

Note: Additional Butt Weld Pipe Sizes Available Upon Request; i.e., Schedule 5 and 80.



**Part A
Socket Weld**



**Part D
Socket Weld**

Size	Part A Adapter				Part D Coupler			
	Socket Weld				Socket Weld			
	Tube		Pipe		Tube		Pipe	
	Aluminum	316 Stainless Steel	Aluminum	316 Stainless Steel	Aluminum	316 Stainless Steel	Aluminum	316 Stainless Steel
3/4	307ASWALT	307ASWSST	307ASWALP	307ASWSSP	307DSWALT	307DSWSST	307DSWALP	307DSWSSP
1	310ASWALT	310ASWSST	310ASWALP	310ASWSSP	310DSWALT	310DSWSST	310DSWALP	310DSWSSP
1-1/2	315ASWALT	315ASWSST	315ASWALP	315ASWSSP	315DSWALT	315DSWSST	315DSWALP	315DSWSSP
2	320ASWALT	320ASWSST	320ASWALP	320ASWSSP	320DSWALT	320DSWSST	320DSWALP	320DSWSSP
2-1/2	325ASWALT	325ASWSST	325ASWALP	325ASWSSP	325DSWALT	325DSWSST	325DSWALP	325DSWSSP
3	330ASWALT	330ASWSST	330ASWALP	330ASWSSP	330DSWALT	330DSWSST	330DSWALP	330DSWSSP
4	340ASWALT	340ASWSST	340ASWALP	340ASWSSP	340DSWALT	340DSWSST	340DSWALP	340DSWSSP
5	350ASWALT	350ASWSST	350ASWALP	350ASWSSP	350DSWALT	350DSWSST	350DSWALP	350DSWSSP
6	360ASWALT	360ASWSST	360ASWALP	360ASWSSP	360DSWALT	360DSWSST	360DSWALP	360DSWSSP



Cam and Groove Couplings

Note: Cam and Groove Couplings are NOT designed for compressed gas applications.

Tough-TITE™ Industrial Socket Weld Couplings



**Part A
Tube
Socket Weld**



**Part A
Pipe
Socket Weld**



**Part D
Tube
Socket Weld**



**Part D
Pipe
Socket Weld**

Size	Part A Adapter				Part D Coupler			
	Tube Socket Weld		Pipe Socket Weld		Tube Socket Weld		Pipe Socket Weld	
	Aluminum	316 Stainless Steel	Aluminum	316 Stainless Steel	Aluminum	316 Stainless Steel	Aluminum	316 Stainless Steel
1-1/2	3E15ASWALT	3E15ASWSST	3E15ASWALP	3E15ASWSSP	3E15DSWALT	3E15DSWSST	3E15DSWALP	3E15DSWSSP
2	3E20ASWALT	3E20ASWSST	3E20ASWALP	3E20ASWSSP	3E20DSWALT	3E20DSWSST	3E20DSWALP	3E20DSWSSP
2-1/2	3E25ASWALT	3E25ASWSST	3E25ASWALP	3E25ASWSSP	3E25DSWALT	3E25DSWSST	3E25DSWALP	3E25DSWSSP
3	3E30ASWALT	3E30ASWSST	3E30ASWALP	3E30ASWSSP	3E30DSWALT	3E30DSWSST	3E30DSWALP	3E30DSWSSP
4	3E40ASWALT	3E40ASWSST	3E40ASWALP	3E40ASWSSP	3E40DSWALT	3E40DSWSST	3E40DSWALP	3E40DSWSSP
5	3E50ASWALT	—	3E50ASWALP	—	3E50DSWALT	—	3E50DSWALP	—
6	3E60ASWALT	3E60ASWSST	3E60ASWALP	3E60ASWSSP	3E60DSWALT	3E60DSWSST	3E60DSWALP	3E60DSWSSP



“America’s Most Responsive Warehouse”



Cam and Groove Couplings

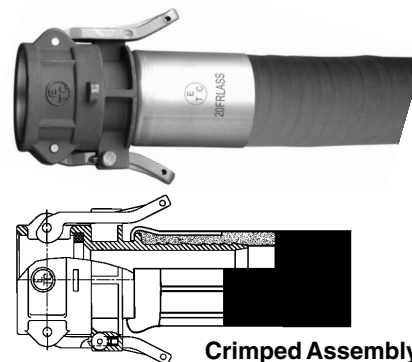
Perma-TITE® Permanently Attached Coupling System

Swaging/Crimping

Note: Cam and Groove Couplings are **NOT** designed for compressed gas applications.

- Designed to meet the greater retention requirements of XLPE and UHMW chemical transfer hoses.
- Tested to meet or exceed the Rubber Manufacturers Association liquid hose pressure safety requirements of four (4) times the working pressure without leaking.
- Couplers or adapters can be reused by removing them from a damaged hose assembly. **Note:** the reused couplers and adapters must be examined for damage prior to installation in a new hose.

Note: APG coupling products and APG ferrules and crimp sleeves should be used only in combination with one another. Different brands of these type products are not interchangeable in any combination.



Crimped Assembly

Size	Notched Ferrule	Crimp Sleeve		Hose Dimensions (Inches)	
	304 Stainless Steel	304 Stainless Steel	Aluminum	OD Minimum	OD Maximum
3/4	—	307CRLASS*	—	1-1/32	1-1/8
	307FRLASS	307CRSASS	307CRSAAL	1-1/32	1-1/8
	307FRLBSS	307CRSBSS	307CRSBAL	1-3/32	1-15/64
1	310FRLASS	310CRASS	310CRSAAL	1-29/64	1-35/64
	310FRLBSS	310CRSBSS	310CRSBAL	1-9/16	1-11/16
	—	—	310CRSCAL	1-21/32	1-25/32
1-1/4	—	312CRSASS	312CRSAAL	1-39/64	1-15/16
	—	—	312CRSBAL	1-29/32	2-1/32
	315FRLASS	315CRSASS	315CRSAAL	1-15/16	2-3/16
1-1/2	315FRLBSS	315CRSBSS	—	2-1/16	2-11/32
	—	—	315CRSCAL	2-5/16	2-13/32
	320FRLASS	320CRSASS	320CRSAAL	2-15/32	2-11/16
2	320FRLBSS	320CRSBSS	320CRSBAL	2-21/32	2-27/32
	—	—	320CRSCAL	2-25/32	3
	325FRLASS	325CRSASS	325CRSAAL	2-31/32	3-7/32
2-1/2	325FRLBSS	325CRSBSS	—	3-13/64	3-11/32
	330FRLASS	330CRSASS	330CRSAAL	3-15/32	3-23/32
	330FRLBSS	330CRSBSS	330CRSBAL	3-47/64	3-27/32
3	—	—	330CRSCAL	3-7/8	4
	340FRLASS	340CRSASS	340CRSAAL	4-5/8	4-47/64
	340FRLBSS	340CRSBSS	340CRSBAL	4-3/4	4-7/8
6	—	—	360CRSAAL	6-1/4	6-3/4
	—	—	360CRSBAL	6-31/64	7-3/16
	—	—	380CRSAAL	8-5/16	8-15/16
8	—	—	380CRSBAL	8-15/16	9-1/2
	—	—	—	—	—

* Long Length (3/4)



Notched Ferrule



Crimp Sleeve

Note: Aluminum Crimp Sleeves Can Be Anodized In Various Colors

Hose Shank x Male Thread



	EVER-TITE® 316 Stainless Steel	Tough-TITE™ 316 Stainless Steel
Size	Hose Shank x Male Thread With Notched Collar	Hose Shank x Male Thread With Notched Collar And Wrench Flat
3/4	—	3E07CNSSN
1	—	3E10CNSSN
1-1/2	—	3E15CNSSN
2	320CNSS	3E20CNSSN
3	330CNSS	—
4	340CNSS	—



Cam and Groove Couplings

Perma-Tite® Permanently Attached Coupling System

Note: Cam and Groove Couplings are **NOT** designed for compressed gas applications.

APG Parts Compatible With Swaging (Notched Ferrules)						
All EVER-TITE® and Tough-TITE™ Stainless Steel Cam and Coupling Parts with Hose Shanks (3/4" Parts Compatible with Additional Machining of Standard Parts)						
Size	EVER-TITE®					
	316 Stainless Steel					
	Part C Coupler	Part E Adapter	Part C Swivel Coupler	Model 101 Part C Locking Handle Coupler	Model 102 Part C Locking Handle Coupler	Hose Shank X Male Thread With Notched Collar
3/4	307CSS*	307ESS*	—	—	—	—
1	310CSS	310ESS	—	310CLHSS101	310SLHSS102	—
1-1/4	312CSS	312ESS	—	—	—	—
1-1/2	315CSS	315ESS	—	315CLHSS101	315CLHSS102	—
2	320CSS	320ESS	320CSSSWVL	320CLHSS101	320CLHSS102	320CNSS
2-1/2	325CSS	325ESS	—	325CLHSS101	325CLHSS102	—
3	330CSS	330ESS	330CSSSWVL	330CLHSS101	330CLHSS102	330CNSS
4	340CSS	340ESS	340CSSSWVL	340CLHSS101	340CLHSS102	340CNSS
6	360CSS	360ESS	—	—	—	—
8	—	—	—	—	—	—

Size	Tough-TITE™			
	316 Stainless Steel			
	Part C Coupler	Part E Adapter	Part C Locking Handle	Hose Shank X Male Thread With Notched Collar And Wrench Flat
3/4	3E07CSS*	3E07ESS*	—	3E07CNSSN
1	3E10CSS	3E10ESS	—	3E10CNSSN
1-1/4	3E12CSS	3E12ESS	3E12CLHSS	—
1-1/2	3E15CSS	3E15ESS	3E15CLHSS	3E15CNSSN
2	3E20CSS	3E20ESS	3E20CLHSS	3E20CNSSN
2-1/2	3E25CSS	3E25ESS	3E25CLHSS	—
3	3E30CSS	3E30ESS	3E30CLHSS	—
4	3E40CSS	3E40ESS	3E40CLHSS	—
6	3E60CSS	3E60ESS	3E60CLHSS	—
8	3E80CSS	3E80ESS	—	—

* 3/4" Parts Compatible with Additional Machining of Standard Parts

Swivel-Tite®

- The only "live swivel" coupler designed for industrial hose
- Less torque on the hose extends hose life
- Easier connection in limited space environments
- Eliminate operator torque
- Patent Nos. 5,947, 530 and 5,944, 364



Part C Swivel Coupler	
Size	316 Stainless Steel
2"	320CSSSWVL
3"	330CSSSWVL
4"	340CSSSWVL

Clamp-Tite®

- Repair kit provides for field repair of hose assemblies with permanently attached couplings
- Greatly reduces downtime



Size	316 Stainless Steel	Min. Hose OD	Max Hose OD
2"	320CLMPSS	2-15/32"	2-11/16"
3"	330CLMPSS	3-15/32"	3-23/32"
4"	340CLMPSS	4-5/8"	4-47/64"

Note: If a dash (—) appears in lieu of a published part number, please inquire regarding current availability.



Cam and Groove Couplings

Perma-TITE® Permanently Attached Coupling System

Note: Cam and Groove Couplings are *NOT* designed for compressed gas applications.

APG Parts Compatible With Crimping (Crimp Sleeves)

All EVER-TITE®, Tough-TITE™, and U-TITE™ Metal Alloy Cam and Coupling Parts with Hose Shanks
(Excludes Nylon and Polypropylene Parts)

Size	EVER-TITE®							
	316 Stainless Steel						Brass	
	Part C Coupler	Part E Adapter	Part C Swivel Coupler	Model 101 Part C Locking Handle Coupler	Model 102 Part C Locking Handle Coupler	Hose Shank X Male Thread With Notched Collar	Part C Coupler	Part E Adapter
3/4	307CSS	307ESS	—	—	—	—	307CBR	307EBR
1	310CSS	310ESS	—	310CLHSS101	310CLHSS102	—	310CBR	310EBR
1-1/4	312CSS	312ESS	—	—	—	—	312CBR	312EBR
1-1/2	315CSS	315ESS	—	315CLHSS101	315CLHSS102	—	315CBR	315EBR
2	320CSS	320ESS	320CSSSWVL	320CLHSS101	320CLHSS102	320CNSS	320CBR	320EBR
2-1/2	325CSS	325ESS	—	325CLHSS101	325CLHSS102	—	325CBR	325EBR
3	330CSS	330ESS	330CSSSWVL	330CLHSS101	330CLHSS102	330CNSS	330CBR	330EBR
4	340CSS	340ESS	340CSSSWVL	340CLHSS101	340CLHSS102	340CNSS	340CBR	340EBR
6	360CSS	360ESS	—	—	—	—	360CRB	360ERB

Size	Aluminum					
	Part C Coupler	Part E Adapter	Model 101 Part C Locking Handle Coupler	Model 102 Part C Locking Handle Coupler	Part C Coupler	Part E Adapter
3/4	307CAL	307EAL	—	—	307CAL	307EAL
1	310CAL	310EAL	310CLHAL101	310CLHAL102	310CAL	310EAL
1-1/4	312CAL	312EAL	—	—	312CAL	312EAL
1-1/2	315CAL	315EAL	315CLHAL101	315CLHAL102	315CAL	315EAL
2	320CAL	320EAL	320CLHAL101	320CLHAL102	320CAL	320EAL
2-1/2	325CAL	325EAL	325CLHAL101	325CLHAL102	325CAL	325EAL
3	330CAL	330EAL	330CLHAL101	330CLHAL102	330CAL	330EAL
4	340CAL	340EAL	340CLHAL101	340CLHAL102	340CAL	340EAL
6	360CAL	360EAL	—	—	360CAL	360EAL
8	380CAL	380EAL	—	—	—	—

Size	Tough-TITE™							
	316 Stainless Steel				Aluminum		Brass	
	Part C Coupler	Part E Adapter	Part C Locking Handle Coupler	Hose Shank X Male Thread With Notched Collar And Wrench Flat	Part C Coupler	Part E Adapter	Part C Coupler	Part E Adapter
3/4	3E07CSS	3E07ESS	—	3E07CNSS	3E07CAL	3E07EAL	3E07CBR	3E07EBR
1	3E10CSS	3E10ESS	—	3E10CNSS	3E10CAL	3E10EAL	3E10CBR	3E10EBR
1-1/4	3E12CSS	3E12ESS	3E12CLHSS	—	3E12CAL	3E12EAL	3E12CBR	3E12EBR
1-1/2	3E15CSS	3E15ESS	3E15CLHSS	3E15CNSS	3E15CAL	3E15EAL	3E15CBR	3E15EBR
2	3E20CSS	3E20ESS	3E20CLHSS	3E20CNSS	3E20CAL	3E20EAL	3E20CBR	3E20EBR
2-1/2	3E25CSS	3E25ESS	3E25CLHSS	—	3E25CAL	3E25EAL	3E25CBR	3E25EBR
3	3E30CSS	3E30ESS	3E30CLHSS	—	3E30CAL	3E30EAL	3E30CBR	3E30EBR
4	3E40CSS	3E40ESS	3E40CLHSS	—	3E40CAL	3E40EAL	3E40CBR	3E40EBR
6	3E60CSS	3E60ESS	3E60CLHSS	—	3E60CAL	3E60EAL	3E60CBR	3E60EBR
8	3E80CSS	3E80ESS	—	—	3E80CALA	3E80EALA	—	—

Size	U-TITE™			
	316 Stainless Steel		Aluminum	
	Part C Coupler	Part E Adapter	Part C Coupler	Part E Adapter
1-1/2	3U15CSS	3U15ESS	3U15CAL	3U15EAL
2	3U20CSS	3U20ESS	3U20CAL	3U20EAL
3	3U30CSS	3U30ESS	3U30CAL	3U30EAL
4	3U40CSS	3U40ESS	3U40CAL	3U40EAL



EVER-TITE® Cam and Groove Couplings

Military Specification Compliance

Note: Cam and Groove Couplings are **NOT** designed for compressed gas applications.

EVER-TITE® Brass Cam and Groove Couplings are available as compliant with military specifications.

EVER-TITE® Aluminum Cam and Groove Couplings can be ordered as compliant with military specifications by specifying anodized parts identified by military color number per MIL-A-8625.

MIL-C-27487 Military Standard Number - Summary Index												
Coupling Type	Item Code		Class	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4	6
A	MS 27020	Aluminum	1	-3	-5	-7	-9	-11	-13	-15	-17	-19
		Brass	2	-4	-6	-8	-10	-12	-14	-16	-18	-20
B	MS 27026	Aluminum	1	-3	-5	-7	-9	-11	-13	-15	-17	-19
		Brass	2	-4	-6	-8	-10	-12	-14	-16	-18	-20
C	MS 27025	Aluminum	1	-3	-5	-7	-9	-11	-13	-15	-17	-21
		Brass	2	-4	-6	-8	-10	-12	-14	-16	-18	-22
D	MS 27024	Aluminum	1	-3	-5	-7	-9	-11	-13	-15	-17	-19
		Brass	2	-4	-6	-8	-10	-12	-14	-16	-18	-20
E	MS 27021	Aluminum	1	-3	-5	-7	-9	-11	-13	-15	-17	-21
		Brass	2	-4	-6	-8	-10	-12	-14	-16	-18	-22
F	MS 27022	Aluminum	1	-3	-5	-7	-9	-11	-13	-15	-17	-19
		Brass	2	-4	-6	-8	-10	-12	-14	-16	-18	-20
D.C.	MS 27028	Aluminum	1	-3	-5	-7	-9	-11	-13	-15	-17	-19
		Brass	2	-4	-6	-8	-10	-12	-14	-16	-18	-20
D.P.	MS 27029	Aluminum	1	-3	-5	-7	-9	-11	-13	-15	-17	-19
		Brass	2	-4	-6	-8	-10	-12	-14	-16	-18	-20
Gasket	MS 27030			-2	-3	-4	-5	-6	-7	-8	-9	-10

Note: Specify military color number per MIL-A-8625

Special Military Couplings

Many different configurations of adapters and couplers are available. Female wyes with adapters/couplers and double female couplers with shut-off valve #77 are illustrated as representative of the configurations that are available. Please inquire regarding any specific requirement.





EVER-TITE® Cam and Groove Couplings

No. 99 Tight-Fill Couplings

Note: Cam and Groove Couplings are **NOT** designed for compressed gas applications.



Elbow

Straight

Aluminum Body, Bronze Parts

Part Number	Description
33099SGALNIE	3" x 100° x 8-1/2" Clearance sight gauge - no inlet end
33099SGALAIE	3" x 100° x 8-1/2" Clearance sight gauge - 3" adapter inlet end
33099SGALCIE	3" x 100° x 8-1/2" Clearance sight gauge - 3" coupler inlet end
33099SGAL40AIE	3" x 100° x 8-1/2" Clearance sight gauge - 4" adapter inlet end
33099SGAL40CIE	3" x 100° x 8-1/2" Clearance sight gauge - 4" coupler inlet end
33099SGALMT*	3" x 100° x 8-1/2" Clearance sight gauge - male threaded inlet end
33099SGALFT*	3" x 100° x 8-1/2" Clearance sight gauge - female threaded inlet end
33099SAL	3" Straight (no sight gauge) male threaded inlet only
34099SGALNIE	4" x 100° x 12-1/2" Clearance sight gauge - no inlet end
34099SGALAIE*	4" x 100° x 12-1/2" Clearance sight gauge - 4" adapter inlet end
34099SGALCIE*	4" x 100° x 12-1/2" Clearance sight gauge - 4" coupler inlet end
34099SGAL30AIE*	4" x 100° x 12-1/2" Clearance sight gauge - 3" adapter inlet end
34099SGAL30CIE*	4" x 100° x 12-1/2" Clearance sight gauge - 3" coupler inlet end
34099SGALMTIE*	4" x 100° x 12-1/2" Clearance sight gauge - male threaded inlet end
34099SGALFTIE*	4" x 100° x 12-1/2" Clearance sight gauge - female threaded inlet end
34099SAL	4" Straight (no sight gauge) male threaded inlet only

* Stirrup handle available assembled on 4" SG's only

Parts for No. 99 Elbow Couplings

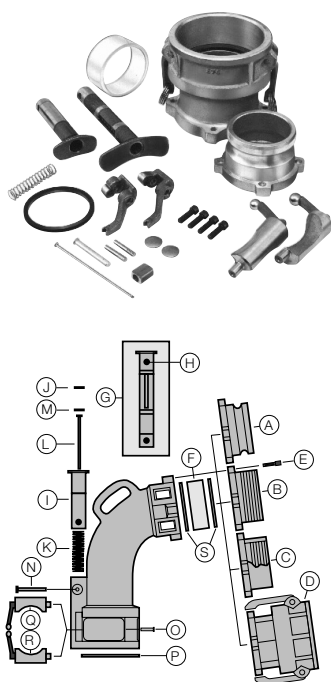


Diagram Reference	Part Number		Description
	3"	4"	
A	330AIEAL99	340AIEAL99	Adapter inlet end only
A	340AIEAL3099	—	4" Adapter inlet end for 3" No. 99
A	—	330AIEAL4099	3" Adapter inlet end for 4" No. 99
B	330MIEAL99	340MTIEAL99	Male threaded inlet end only
C	330FIEAL99	340FTIEAL99	Female threaded adapter inlet end only
D	330CIEAL99	340CIEAL99	Coupler inlet ends only
D	340CIEAL3099	—	4" Coupler inlet end for 3" No. 99
D	—	330CIEAL4099	3" Coupler inlet end for 4" No. 99
E	330SCRXX99	340SCRXX99	Screws for inlet end (set of four)
F	330PSXX99	340PSXX99	Plexiglas™ shell only
G	—	340HBR99PLT	Plunger (T-handle)
H	—	340SPBR99	Spacer
I	330PLBR99	—	Plunger
J	330CAPBR99	340CAPBR99	Cap
K	330SPRXX99	340SPRXX99	Spring
L	330RODXX99	—	Rod
M	330DISCBR99	—	Disc
N	—	330PSSGS316	Grooved Pin
O	330PSSHL	—	Headed Pin
P	330GSKBUMS	340GSKBU99	Coupler gasket
Q	330HBRLF99	340HBRLF99	Left Handle
R	330HBRRT99	340HBRRT99	Right Handle
S	330GSKBUSG99	340GSKBU97AGM	Buna Gasket
T	—	—	T-handle assembly available
U	—	340HBR99PLSL	Stirrup handle assembly available



EVER-TITE® Cam and Groove Couplings

Tight-Fill Couplings

Note: Cam and Groove Couplings are **NOT** designed for compressed gas applications.



Assemblies Without Extension Kits		Assemblies With Extension Kits	
Part Number	Description	Part Number	Description
340TFALNR	4" TF Elbow with Sight Glass No Inlet End - Right Hand	340TFALNRK	4" TF Elbow with Sight Glass and Ext Kit No Inlet End - Right Hand
340TFALNL	4" TF Elbow with Sight Glass No Inlet End - Left Hand	340TFALNLK	4" TF Elbow with Sight Glass and Ext Kit No Inlet End - Left Hand
340TFALAR	4" TF Elbow with Sight Glass 4" Adapter Inlet End - Right Hand	340TFALARK	4" TF Elbow with Sight Glass and Ext Kit 4" Adapter Inlet End - Right Hand
340TFALAL	4" TF Elbow with Sight Glass 4" Adapter Inlet End - Left Hand	340TFALALK	4" TF Elbow with Sight Glass and Ext Kit 4" Adapter Inlet End - Left Hand
340TFALCR	4" TF Elbow with Sight Glass 4" Coupler Inlet End - Right Hand	340TFALCRK	4" TF Elbow with Sight Glass and Ext Kit 4" Coupler Inlet End - Right Hand
340TFALCL	4" TF Elbow with Sight Glass 4" Coupler Inlet End - Left Hand	340TFALCLK	4" TF Elbow with Sight Glass and Ext Kit 4" Coupler Inlet End - Left Hand
340TFALMR	4" TF Elbow with Sight Glass Male Threaded Inlet End - Right Hand	340TFALMRK	4" TF Elbow with Sight Glass and Ext Kit Male Threaded Inlet End - Right Hand
340TFALML	4" TF Elbow with Sight Glass Male Threaded Inlet End - Left Hand	340TFALMLK	4" TF Elbow with Sight Glass and Ext Kit Male Threaded Inlet End - Left Hand
340TFALFR	4" TF Elbow with Sight Glass Female Threaded Inlet End - Right Hand	340TFALFRK	4" TF Elbow with Sight Glass and Ext Kit Female Threaded Inlet End - Right Hand
340TFALFL	4" TF Elbow with Sight Glass Female Threaded Inlet End - Left Hand	340TFALFLK	4" TF Elbow with Sight Glass and Ext Kit Female Threaded Inlet End - Left Hand
340TFALA3R	4" TF Elbow with Sight Glass 3" Adapter Inlet End - Right Hand	340TFALA3RK	4" TF Elbow with Sight Glass and Ext Kit 3" Adapter Inlet End - Right Hand
340TFALA3L	4" TF Elbow with Sight Glass 3" Adapter Inlet End - Left Hand	340TFALA3LK	4" TF Elbow with Sight Glass and Ext Kit 3" Adapter Inlet End - Left Hand
340TFALC3R	4" TF Elbow with Sight Glass 3" Coupler Inlet End - Right Hand	340TFALC3RK	4" TF Elbow with Sight Glass and Ext Kit 3" Coupler Inlet End - Right Hand
340TFALC3L	4" TF Elbow with Sight Glass 3" Coupler Inlet End - Left Hand	340TFALC3LK	4" TF Elbow with Sight Glass and Ext Kit 3" Coupler Inlet End - Left Hand

Parts For Tight-Fill Couplings

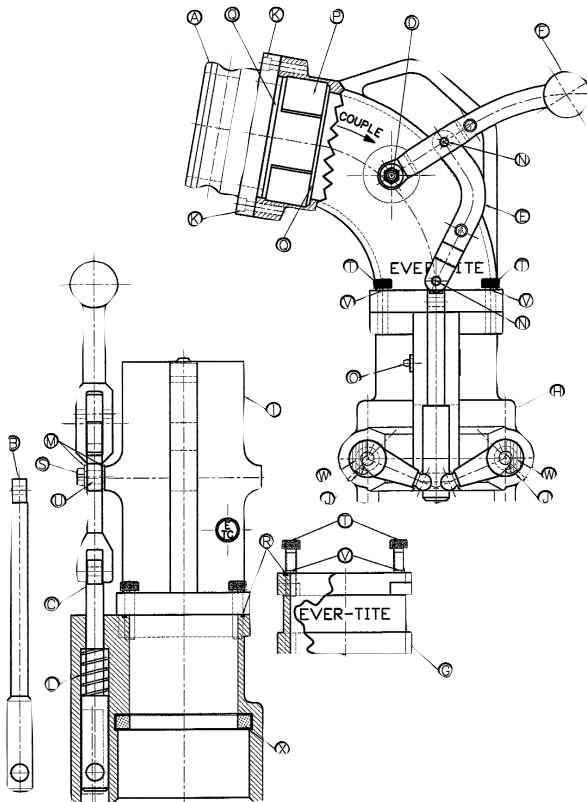


Diagram Reference	Part Number	Description	Assembly Quantity
A	340AIEAL99	Inlet End	1
C	340TFSFSS	Shaft	1
D	340TFDTS	Double Threaded Stud	1
E	340TFFLLAL	Lower Level	1
F	340TFULAL	Upper Level	1
H	340TFBAL	Base	1
I	340TFEAL	Elbow	1
J	340TFLCBR	Cam - Left	1
K	340TFRCBR	Cam - Right	1
L	340TFSCRSS	Screws for Inlet End	4
M	340TFSPG	Spring	1
N	340TFFW	Flat Washer - Nylon	2
O	340TFSP	Slotted Spring Pins	2
P	340TFGF	Grease Fitting	1
Q	340PSXX99	Sight Glass	1
R	40GSKBU97AGM	Gasket @ Sight Glass	2
S	V2.5X109	Fluor elastomer O-Ring	1
T	340TFHN	Hex Nut	1
U	340TFCSSS	Hex Head Cap Screws	4
V	340TFBBS	Bushing - Plastic	1
W	340TFW	Lock Washer	4
X	340FTTW	Teflon® White Disc	2
Y	340GSKBU99	Gasket @ Base	1
Extension Kit			
B	340TFSFEXSS	Extension Shaft	1
G	340TFXAL	Base Extension	1
L	340TFSPG	Spring	1
R	V2.5X109	Fluor elastomer O-Ring	1
T	340TFCSSS	Hex Head Cap Screws	4
V	340TFW	Lock Washer	4



EVER-TITE® Cam and Groove Couplings

Tank Truck Flange Couplings

Note: Cam and Groove Couplings are **NOT** designed for compressed gas applications.

Size	Aluminum	
	LAT Adapter	LBT Coupler
2"	320LATAL	320LBTAL
3"	330LATAL	330LBTAL
4"	340LATAL	340LBTAL *340LBT225AL
6"	360LATAL	360LBTAL

* 22-1/2° Elbow



LAT Adapter



LBT Coupler

API Gravity Drop Couplings

API Gravity Drop Coupler Replacement Gasket

Size	Aluminum	
	Part Number	Description
4" x 3"	340GDCAL3A	4" API Coupler x 3" Adapter
4" x 4"	340GDCAL4A	4" API Coupler x 4" Adapter



Size	Part Number	Description
4"	340GSKBUGDC	4" Buna Gravity Drop Gasket

Special Design Heavy Duty Couplings

Not interchangeable with standard cam and groove couplings.
1/2" through 2" sizes include handle rings.



Size	Brass				316 Stainless Steel				Gasket
	Part A	Part D	Dust Cap	Dust Plug	Part A	Part D	Dust Cap	Dust Plug	
1/2"	305AXB	305DXB	305DCXB	—	—	—	—	—	305GSKBUHD
3/4"	307AXB	307DXB	307DCXB	307DPXB	—	—	—	—	307GSKBUHD
1"	310AXB	310DXB	310DCXB	310DPXB	—	—	—	—	310GSKBUHD
1-1/4"	312AXB	312DXB	—	312DPXB	—	—	—	—	312GSKBUHD
1-1/2"	315AXB	315DXB	315DCXB	315DPXB	—	—	—	—	315GSKBUHD
2"	320AXB	320DXB	320DCXB	320DPXB	—	—	—	—	320GSKBUHD
2-1/2"	325AXB	325DXB	325DCXB	325DPXB	—	—	—	—	325GSKBUHD
3"	330AXB	330DXB	330DCXB	—	—	—	—	—	330GSKBUHD
4"	—	—	—	—	—	—	—	—	—



EVER-TITE® Cam and Groove Couplings

ASA Flange Couplings (A.N.S.I. Class 150)

- 150 lb flat-face flange and bolt-hole pattern standard (For other patterns, please inquire.)

Note: Cam and Groove Couplings are **NOT** designed for compressed gas applications.



FLA Adapter
(Class 150)



FLB Coupler
(Class 150)

Note: APG can supply flange gaskets in over 100 different types of gasket material.

Size	FLA Adapters (Class 150)			FLB Couplers (Class 150)		
	Brass	Aluminum	316 Stainless Steel	Brass	Aluminum	316 Stainless Steel
1"	—	—	310FLASS	—	—	310FLBSS
1-1/2"	315FLABR	315FLAAL	315FLASS	315FLBBR	315FLBAL	315FLBSS
2"	320FLABR	320FLAAL	320FLASS	320FLBBR	320FLBAL	320FLBSS
2" x 2-1/2"	—	—	—	—	—	—
2-1/2"	325FLABR	—	—	325FLBBR	325FLBAL	—
2-1/2" X 4"	—	—	—	—	—	—
3"	330FLABR	330FLAAL	330FLASS	330FLBBR	330FLBAL	330FLBSS
4"	340FLABR	340FLAAL	340FLASS	340FLBBR	340FLBAL	340FLBSS
4" x 6"	—	—	—	—	—	—
6"	360FLABR	360FLAAL	360FLASS	360FLBBR	360FLBAL	—
8"	—	—	—	—	—	—

90° Coupler with Check Valve

Flow is from coupler end through threaded connection



Size	Brass	Aluminum
1-1/2"	315CV90BR	315CV90AL
2"	320CV90BR	320CV90AL
3"	—	330CV90AL

Vapor-Recovery System Parts



Aluminum Only

Size	Part Number	Description
3" x 3"	330VRVAL	3" Male adapter with 3" male pipe thread & poppet valve
4" x 4"	340VRVAL	4" Male adapter with 4" female pipe thread & poppet valve
3" x 3"	330VRCAL	3" Female coupler with 3" hose shank & probe
3" x 2"	33020VRCAL	3" Female coupler with 2" hose shank & probe
4" x 4"	340VRCAL	4" Female coupler with 4" hose shank & probe
4" x 4"	340VRC90AL	4" Female coupler, 90° elbow, with 4" shank & probe
4" x 3"	34030VRCAL	4" Female coupler with 3" hose shank & probe
4" x 3"	34030VRBAL	4" Female coupler with 3" male pipe thread & probe
4" x 4"	34030VRBAL	4" Female coupler & probe with 4" Female coupler & probe
4" x 3"	34030VRBAL	4" Female coupler & probe with 3" Male adapter
4" x 3"	34030VRBBAL	4" Female coupler & probe with 3" coupler



EVER-TITE® Cam and Groove Couplings

Fill-Pipe Adapter

Brass Only
97A-Adapter Only
97AG-Adapter with Gasket
97AGM-Adapter (2-1/2" high) with Gasket



Note: Cam and Groove Couplings are **NOT** designed for compressed gas applications.

Adapter Size	Pipe Size	Part Number
3"	2"	3302097ABR
3"	2-1/2"	3302597ABR
3"	3"	33097ABR
3"	3"	33097AGBR
3"	4"	3304097ABR
3"	4"	3304097AGBR
4"	3"	3403097AGMBR
4"	4"	34097ABR
4"	4"	34097AGMBR
4"	4"	34097AGMCBNL

Note: Most parts available with or without lugs.

Adapter Cap

Brass Only



Size	Part Number	Description
3"	33097CBR	Twist Cap
3"	33097MBR	Locking Cap (Extension Handle)
4"	34097CBR	Twist Cap
4"	34097MCB	Locking Cap (Two Handles)
3"	330HBR97M	Locking Handle Only
4"	340HBR97M	Locking Handle Only

Tough-TITE™ Cam and Groove Couplings

Coupler/Adapter with Relief Nipple



Size: Coupler Adapter	Size: Relief Nipple	316 Stainless Steel Part Number
3" x 2"	1/2"	3E3020BASSRN05
3" x 2"	3/4"	3E3020BASSRN07
3" x 2"	1"	3E3020BASSRN10

Spool Adapter with Relief Nipple



Size: Spool Adapter	Size: Relief Nipple	316 Stainless Steel Part Number
3" x 3"	1/2"	3E30SASSRN05
3" x 3"	3/4"	3E30SASSRN07

Spool Coupler with Relief Nipple



Size: Spool Coupler	Size: Relief Nipple	316 Stainless Steel Part Number
2" x 2"	1/2"	3E20BBSSRN05
3" x 3"	1/2"	3E30BBSSRN05

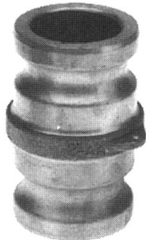


Cam and Groove Couplings

Spool Adapter

Note: Cam and Groove Couplings are NOT designed for compressed gas applications.

* Part SA



Size	EVER-TITE®		Tough-TITE™		
	Aluminum	316 Stainless Steel	Brass	Aluminum	316 Stainless Steel
1 x 1	—	310SASS	—	3E10SAAL	3E10SASS
1-1/4 x 1-1/4	—	312SASS	—	3E12SAAL	3E12SASS
1-1/2 x 1-1/2	315SAAL	315SASS	3E15SABR	3E15SAAL	3E15SASS
1-1/2 x 2	31520SAAL	—	—	3E1520SAAL	3E1520SASS
2 x 2	320SAAL	320SASS	3E20SABR	3E20SAAL	3E20SASS
2 x 2-1/2	—	—	—	3E2025SAAL	—
2 x 3	—	32030SASS	—	3E2030SAAL	3E2030SASS
2 x 4	32040SAAL	—	—	—	—
2-1/2 x 2-1/2	—	—	—	3E25SAAL	—
2-1/2 x 3	32530SAAL	—	—	—	—
3 x 3	330SAAL	330SASS	3E30SABR	3E30SAAL	3E30SASS
3 x 4	33040SAAL	—	—	3E3040SAAL	3E3040SASS
4 x 4	340SAAL	—	—	3E40SAAL	3E40SASS
4 x 5	—	—	—	—	—
4 x 6	—	—	—	3E4060SAAL	—
6 x 6	360SAAL	—	—	3E60SAAL	—

Spool Coupler

* Part BB

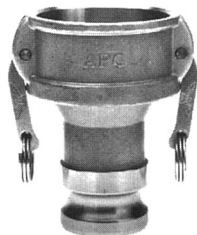


Size	EVER-TITE®		Tough-TITE™	
	Aluminum	316 Stainless Steel	Aluminum	316 Stainless Steel
1-1/2 x 1-1/2	315BBAL	—	3E15BBAL	3E15BBSS
2 x 2	—	320BBSS	3E20BBAL	3E20BBSS
2 x 3	—	—	—	3E2030BBSS
3 x 3	—	330BBSS	3E30BBAL	3E30BBSS
4 x 4	—	—	3E40BBAL	3E40BBSS

Coupler/Adapter

* Part BA

Female Coupler/Male Adapter



*EVER-TITE® Parts Illustrated

Size	EVER-TITE®		Tough-TITE™	
	Aluminum	316 Stainless Steel	Aluminum	316 Stainless Steel
1-1/2 x 2	31520BAAL	—	3E1520BAAL	—
2 x 1-1/2	32015BAAL	32015BASS	3E2015BAAL	3E2015BASS
2 x 3	32030BAAL	—	3E2030BAAL	3E2030BASS
2 x 4	—	—	3E2040BAAL	3E2040BASS
3 x 1-1/2	—	—	3E3015BAAL	3E3015BASS
3 x 2	33020BAAL	33020BASS	3E3020BAAL	3E3020BASS
3 x 2-1/2	—	—	3E3025BAAL	3E3025BASS
3 x 4	33040BAAL	—	3E3040BAAL	3E3040BASS
4 x 2	—	—	3E4020BAAL	3E4020BASS
4 x 3	34030BAAL	34030BASS	3E4030BAAL	3E4030BASS
4 x 6	34060BAAL	—	3E4060BAAL	—
5 x 4	35040BAAL	—	3E5040BAAL	—
6 x 4	36040BAAL	—	3E6040BAAL	3E6040BASS
6 x 5	—	—	3E6050BAAL	—

Note: If a dash (—) appears in lieu of a published part number, please inquire regarding current availability.



Cam and Groove Couplings

Increases/Reducers*

Note: Cam and Groove Couplings are **NOT** designed for compressed gas applications.

*EVER-TITE® Parts Illustrated



Part A



Part B



Part C



Part D



Part E



Part F

Part	Size Adapter/ Thread	EVER-TITE®			Tough-TITE™	
		Aluminum	Brass	316 Stainless Steel	Aluminum	316 Stainless Steel
A	3/4" x 1/2"	—	30705ABR	30705ASS	—	—
	2" x 1-1/2"	32015AAL	32015ABR	—	—	—
	2" x 3"	32030AAL	32030ABR	32030ASS	3E2030AAL	—
	2-1/2" x 3"	32530AAL	—	—	—	—
	3" x 2"	33020AAL	33020ABR	—	3E3020AAL	—
	3" x 2-1/2"	33025AAL	—	—	—	—
	3" x 4"	33040AAL	33040ABR	33040ASS	3E3040AAL	—
	4" x 3"	34030AAL	34030ABR	—	3E4030AAL	—
B	2" x 1-1/2"	32015BAL	—	—	3E2015BAL	—
	3" x 2"	33020BAL	—	—	3E3020BAL	—
	3" x 2-1/2"	—	33025BBR	—	—	—
	3" x 4"	—	—	—	3E3040BAL	—
	4" x 3"	34030BAL	34030BBR	—	3E4030BAL	—
C	1-1/2" x 1"	31510CAL	31510CBR	—	—	—
	2" x 2-1/2"	32025CAL	—	—	—	—
	3" x 2"	33020CAL	33020CBR	—	3E3020CAL	—
	3" x 2-1/2"	33025CAL	33025CBR	—	3E3025CAL	3E3025CSS
	3" x 3-1/2"	33035CAL	—	—	—	—
	3" x 4"	33040CAL	33040CBR	—	3E3040CAL	—
	4" x 3"	34030CAL	34030CBR	—	3E4030CAL	—
	4" x 3-1/2"	34035CAL	34035CBR	—	—	—
D	3/4" x 1/2"	30705DAL	30705DBR	—	—	—
	2" x 1-1/2"	32015DAL	—	—	3E2015DAL	—
	2-1/2" x 2"	32520DAL	—	—	—	—
	3" x 2"	33020DAL	33020DBR	33020DSS	3E3020DAL	—
	3" x 2-1/2"	33025DAL	—	—	—	—
	4" x 3"	34030DAL	34030DBR	—	3E4030DAL	—
E	3" x 2"	—	—	—	3E3020EAL	—
	3" x 2-1/2"	33025EAL	—	—	3E3025EAL	3E3025ESS
	3" x 4"	33040EAL	33040EBR	—	—	—
	4" x 3"	34030EAL	34030EBR	—	3E4030EAL	—
	4" x 3-1/2"	34035EAL	—	—	—	—
F	1-1/2" x 2"	31520FAL	—	—	—	—
	2" x 1-1/2"	32015FAL	32015FBR	—	3E2015FAL	—
	3" x 1-1/5"	33015FAL	—	—	3E3015FAL	—
	3" x 2"	33020FAL	33020FBR	—	3E3020FAL	—
	3" x 2-1/2"	33025FAL	—	—	—	—
	3" x 4"	33040FAL	—	—	3E3040FAL	—
	4" x 3"	34030FAL	34030FBR	—	3E4030FAL	—
	6" x 5"	36050FAL	—	—	—	—

Δ The standard EVER-TITE® 2" x 1-1/2" Aluminum Part B is pictured. A MII-Spec version is available with a longer shank containing the thread component and a hex nut.

Note: If a dash (—) appears in lieu of a published part number, please inquire regarding current availability.



Cam and Groove Couplings

90° Part A

Male Adapter x Female Thread



Note: Cam and Groove Couplings are **NOT** designed for compressed gas applications.

Size	EVER-TITE®	
	Brass	Aluminum
1-1/2"	—	315A90AL
2"	320A90BR	320A90AL
3"	330A90BR	330A90AL
4"	—	340A90AL

90° Part C

Female Coupler x Hose Shank



Size	EVER-TITE®			Tough-TITE™
	Brass	Aluminum	316 Stainless Steel	Brass
1-1/4"	312C90BR	—	—	3E12C90CB
1-1/2"	315C90BR	315C90AL	—	—
2"	320C90BR	320C90AL	—	—
3"	—	330C90AL	330C90SS	—
4"	340C90BR	340C90AL	—	—

90° Part D

Female Coupler x Female Thread



Size	EVER-TITE®		
	Brass	Aluminum	316 Stainless Steel
1-1/4"	312D90BR	—	—
1-1/2"	315D90BR	315D90AL	315D90SS
2"	320D90BR	320D90AL	320D90SS
2-1/2"	325D90BR	325D90AL	—
3"	330D90BR	330D90AL	330D90SS
4"	—	340D90AL	340D90SS
6"	—	360D90AL	—

90° Spool Coupler

Part BB



Size	EVER-TITE®
	Aluminum
3"	330BB90AL
4"	340BB90AL
6"	360BB90AL

90° Coupler/Adapter

Part BA

Female Coupler x Male Adapter



Size	EVER-TITE®	
	Brass	Aluminum
4"	340BA90BR	340BA90AL
6"	—	360BA90AL



Cam and Groove Couplings

Accessories

Note: Cam and Groove Couplings are **NOT** designed for compressed gas applications.

Handle Assembly

Handle, Ring, and Pin



EVER-TITE®



Tough-TITE™



U-TITE



EVER-TITE®
Paddle Handle (Handle Only)

Size	EVER-TITE®		Tough-TITE™		U-TITE		EVER-TITE®
	Brass	316 Stainless Steel	Brass	316 Stainless Steel	Brass	316 Stainless Steel	316 Stainless Steel
1/2", 3/4"	307HRPBR	307HRPSS	3E07HRPBR	3E07HRPSS	—	—	—
1"	310HRPBR	310HRPSS	3E10HRPBR	3E10HRPSS	—	—	—
1-1/4" - 2-1/2"	315HRPBR	315HRPSS	3E15HRPBR	3E15HRPSS	3U15HRPBR	3U15HRPSS	—
3", 4", 5"	330HRPBR	330HRPSS	3E30HRPBR	3E30HRPSS	3U30HRPBR	3U30HRPSS	330HPDLASS
6"	360HRPBR	360HRPSS	3E60HRPBR	3E60HRPSS	—	—	—
8"	380HRPBR	380HRPSS	*	*	—	—	—

* 8" Tough-Tite™ Couplers Employ 6" Handles

Stainless Steel Pin



Size	Part No.
3/4-1"	—
1-1/4-2-1/2"	3WP200
3-5"	3WP300
6"	3WP600
8"	3WP800

Finger Ring



2-Turn



3-Turn

Size	Turns	Steel Plated	Stainless Steel
3/4"-2-1/2"	2	3SRXXO	3SRSSO
3"-8"	3	3LRXXO	3LRSSO

Locking Clip



Size	Part No.
3/4-1"	3WLC
1-1/4-2-1/2"	3WLC
3-5"	3WLC
6-8"	3WLC6

Chain with "S" Hooks

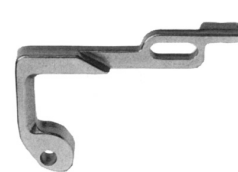


Size	Brass	316 Stainless Steel
6"	360CHBR	360CHSS
12"	3120CHBR	3120CHSS

Overlocking Handles for Dust Caps



EVER-TITE®



Tough-TITE™

Size	EVER-TITE®		Tough-TITE™
	Brass	316 Stainless Steel	316 Stainless Steel
1-1/4", 1-1/2", 2"	—	—	3THOL250
2-1/2"	320HBRL	—	3THOL250
3"	—	—	3THOL250
3"	330HBRL	—	3THOL400
4"	340HBRL	—	3THOL400
6"	—	360HSSL	3THOL600



Cam and Groove Couplings

Accessories

Replacement Gaskets



Note: Cam and Groove Couplings are **NOT** designed for compressed gas applications.

Size	Buna Lathe Cut (Mil/Spec)	Buna Lathe Cut Extra Thick	Gum Lathe Cut	EPDM Lathe Cut
1/2"	*305GSKBU	—	—	305GSKEP
3/4"	307GSKBUMS	—	—	307GSKEP
1"	310GSKBUMS	310GSKBUX	310GSKGM	310GSKEP
1-1/4"	312GSKBUMS	312GSKBUX	—	312GSKEP
1-1/2"	315GSKBUMS	315GSKBUX	315GSKGM	315GSKEP
2"	320GSKBUMS	320GSKBUX	320GSKGM	320GSKEP
2-1/2"	325GSKBUMS	325GSKBUX	—	325GSKEP
3"	330GSKBUMS	330GSKBUX	330GSKGM	330GSKEP
4"	340GSKBUMS	340GSKBUX	340GSKGM	340GSKEP
5"	*350GSKBU	—	350GSKGM	350GSKEP
6"	360GSKBUMS	360GSKBUX	360GSKGM	360GSKEP
8"	*380GSKBU	—	—	—

Gasket Material	Color Code Marking on Gasket
Buna-N	Blue stripe on O.D.
Buna-N (Mil/Spec)	Blue stripe/white stripe on O.D.
Neoprene	Red stripe on O.D.
EPDM	Double white stripe on O.D.
Gum	No marking
Butyl	White Stripe on O.D.
Fluoroelastomer	Yellow Stripe on O.D.
Silicon	Red Gasket

Size	Neoprene Lathe Cut Black	Neoprene Lathe Cut White	Fluoroelastomer Lathe Cut	Butyl Lathe Cut	Silicon Lathe Cut	PTFE/ Buna	PTFE/ Fluoroelastomer
1/2"	305GSKNB	305GSKNW	305GSKVA	305GSKBT	305GSKSI	305GSKTB	305GSKTV
3/4"	307GSKNB	307GSKNW	307GSKVA	307GSKBT	307GSKSI	307GSKTB	307GSKTV
1"	310GSKNB	310GSKNW	310GSKVA	310GSKBT	310GSKSI	310GSKTB	310GSKTV
1-1/4"	312GSKNB	312GSKNW	312GSKVA	312GSKBT	312GSKSI	312GSKTB	312GSKTV
1-1/2"	315GSKNB	315GSKNW	315GSKVA	315GSKBT	315GSKSI	315GSKTB	315GSKTV
2"	320GSKNB	320GSKNW	320GSKVA	320GSKBT	320GSKSI	320GSKTB	320GSKTV
2-1/2"	325GSKNB	325GSKNW	325GSKVA	325GSKBT	325GSKSI	325GSKTB	325GSKTV
3"	330GSKNB	330GSKNW	330GSKVA	330GSKBT	330GSKSI	330GSKTB	330GSKTV
4"	340GSKNB	340GSKNW	340GSKVA	340GSKBT	340GSKSI	340GSKTB	340GSKTV
5"	350GSKNB	350GSKNW	350GSKVA	350GSKBT	350GSKSI	350GSKTB	350GSKTV
6"	360GSKNB	360GSKNW	360GSKVA	360GSKBT	360GSKSI	360GSKTB	360GSKTV
8"	—	—	—	—	—	—	—

* No Mil/Spec for 1/2", 5", and 8"

Safety Cables

Hose End to Hose End



Cable	Hose I.D.	Length	Part Number
1/8"	1/2"-1-1/4"	20"	3TWHH1
1/4"	1-1/2"-3"	38"	3TWHH2

Hose End to Tool End



Cable	Hose I.D.	Length	Part Number
1/8"	1/2"-1-1/4"	20"	3TWHT1
1/4"	1-1/2"-3"	38"	3TWHT2

Note: If a dash (—) appears in lieu of a published part number, please inquire regarding current availability.



Combination Nipples and Menders

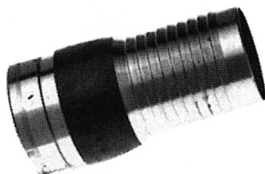
Combination Nipple



Note: Hose Shank x Male Thread parts identified on Page 14 are effectively combination nipples with notched collars compatible with swaging. The Tough-TITE™ parts also include wrench flats.

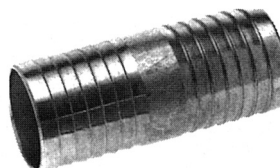
Size	Steel-Plain	Steel-Plated	316 Stainless Steel	Brass	Aluminum	Polypropylene
1/2"	3TCNS0050	3TCNP0050	3TCNSS050	3TCNB050	3TCNA050	3TCNPY050
3/4"	3TCNS0075	3TCNP0075	3TCNSS075	3TCNB075	3TCNA075	3TCNPY075
1"	3TCNS0100	3TCNP0100	3TCNSS100	3TCNB100	3TCNA100	3TCNPY100
1-1/4"	3TCNS0125	3TCNP0125	3TCNSS125	3TCNB125	3TCNA125	3TCNPY125
1-1/2"	3TCNS0150	3TCNP0150	3TCNSS150	3TCNB150	3TCNA150	3TCNPY150
2"	3TCNS0200	3TCNP0200	3TCNSS200	3TCNB200	3TCNA200	3TCNPY200
2-1/2"	3TCNS0250	3TCNP0250	3TCNSS250	3TCNB250	3TCNA250	—
3"	3TCNS0300	3TCNP0300	3TCNSS300	3TCNB300	3TCNA300	3TCNPY300
4"	3TCNS0400	3TCNP0400	3TCNSS400	3TCNB400	3TCNA400	3TCNPY400
5"	3TCNS0500	3TCNP0500	—	—	—	—
6"	3TCNS0600	3TCNP0600	3TCNSS00	—	—	—
8"	3TCNS0800	3TCNP0800	—	—	—	—
10"	3TCNS1000	3TCNP1000	—	—	—	—
12"	3TCNS1200	3TCNP1200	—	—	—	—

Combination Nipple Grooved End (Plain Steel)



Size	Part Number
1/2"	3TCNV0050
3/4"	3TCNV0075
1"	3TCNV0100
1-1/4"	3TCNV0125
1-1/2"	3TCNV0150
2"	3TCNV0200
2-1/2"	3TCNV0250
3"	3TCNV0300
4"	3TCNV0400
5"	3TCNV0500
6"	3TCNV0600
8"	3TCNV0800
10"	3TCNV1000

Hose Mender (Plated Steel)



Size	Part Number
3/8"	3TMP037
1/2"	3TMP050
3/4"	3TMP075
1"	3TMP100
1-1/4"	3TMP125
1-1/2"	3TMP150
2"	3TMP200
2-1/2"	3TMP250
3"	3TMP300
4"	3TMP400
5"	3TMP500
6"	3TMP600
8"	3TMP800
10"	3TMP1000

Combination Nipple Beveled End (Plain Steel)



Size	Part Number
1/2"	3TCNW050
3/4"	3TCNW075
1"	3TCNW100
1-1/4"	3TCNW125
1-1/2"	3TCNW150
2"	3TCNW200
2-1/2"	3TCNW250
3"	3TCNW300
4"	3TCNW400
5"	3TCNW500
6"	3TCNW600

Jump Combination Nipple (Plated Steel)



Size	Part Number
1-1/4 x 1"	3TCNP01250100
1-1/4" x 1-1/2"	3TCNP01250150
2" x 1-1/2"	3TCNP02000150

Hose Mender Extended Length



Size	Part Number
1-1/4"	3TMPKM102



Universal Crowfoot Couplings

Part HE

Hose End



Size	Low Carbon Steel	Brass	Stainless Steel
3/8"	3THE037C	3THE037B	—
1/2"	3THE050C	3THE050B	3THE050SS
3/4"	3THE075C	3THE075B	3THE075SS
1"	3THE100C	3THE100B	3THE100SS

Part FE

Female NPT



Size	Low Carbon Steel	Brass	Stainless Steel
1/4"	3TFE025C	—	—
3/8"	3TFE037C	3TFE037B	—
1/2"	3TFE050C	3TFE050B	3TFE050SS
3/4"	3TFE075C	3TFE075B	3TFE075SS
1"	3TFE100C	3TFE100B	3TFE100SS

Part ME

Male NPT



Size	Low Carbon Steel	Brass	Stainless Steel
1/4"	3TME025C	—	—
3/8"	3TME037C	3TME037B	—
1/2"	3TME050C	3TME050B	3TME050SS
3/4"	3TME075C	3TME075B	3TME075SS
1"	3TME100C	3TME100B	3TME100SS

Dead End



Low Carbon Steel	Stainless Steel
3TDE301C	3TDESS

Part TE

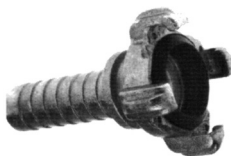
3-Way Connector



Low Carbon Steel	Brass
3TTE300C	3TTE300B

Part HE

4-Lug Hose End



Size	Low Carbon Steel
1-1/4"	3THE125C
1-1/2"	3THE150C
2"	3THE200C

Part FE

4-Lug Female NPT



Size	Low Carbon Steel
1-1/4"	3TFE125C
1-1/2"	3TFE150C
2"	3TFE200C

Lanyard and Safety Clip



	Part Number
Lanyard	3TCFL
Safety Clip	3TCFC

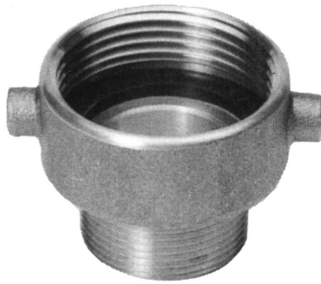
For 2-Lug
CouplerFor 4-Lug
Coupler

Replacement Gaskets

	Part Number
For 2-Lug	3TRG2
For 4-Lug	3TRG4



Hydrant Adapters - Brass



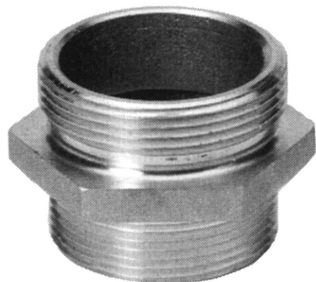
Female x Male

Size/Description	Part Number
1-1/2" Female NST x 3/4" Male GHT	3TGHA1576
2-1/2" Female NST x 3/4" Male GHT	3TGHA2576
2-1/2" Female NST x 1" Male NPSH	3THHA2510
2-1/2" Female NST x 1-1/2" Male NPSH	3THHA2515
2-1/2" Female NST x 2" Male NPSH	3THHA2520
2-1/2" Female NST x 1-1/2" Male NST	3TNHA2515F
3" Female NST x 2-1/2" Male NST	3TNHA3025F
2-1/2" Female NST x 3/4" Male NPT	3TPHA2575T
2-1/2" Female NST x 1" Male NPT	3TPHA2510T
2-1/2" Female NST x 1-1/2" Male NPT	3TPHA2515T
2-1/2" Female NST x 2" Male NPT	3TPHA2520T
3" Female NPSH x 2-1/2" Male NST	3TSHS3025T

Hex Nipples - Brass



Female x Male



Male x Male

Size/Description	Part Number
1" Female NPT x 3/4" Male GHT	3TFGFM1076
1-1/2" Female NPT x 1-1/2" Male NPSH	3TMHFM1515
2-1/2" Female NPT x 2-1/2" Male NPSH	3TMHFM2525
1-1/2" Female NPT x 1-1/2" Male NST	3TFNFM1515F
2-1/2" Female NPT x 2-1/2" Male NST	3TFNFM2525F
3" Female NPT x 2-1/2" Male NST	3TFNFM3025F
1" Female NPSH x 3/4" Male GHT	3TFGFM10S76
1-1/2" Female NPSH x 1-1/2" Male NST	3TFNFM15S15F
3/4" Female GHT x 1" Male NPT	3TFPFM7610T
1-1/2" Female NST x 1-1/2" Male NPT	3TFPFM15F15T
2-1/2" Female NST x 2-1/2" Male NPT	3TFPFM25F25T
2-1/2" Female Phoenix x 2-1/2" Male NPT	3THNPHX2525
1" Male NPT x 3/4" Male GHT	3TMGDMH1076
1" Male NPT x 1" Male NPSH	3TMHDMH1010
1-1/2" Male NPT x 1-1/2" Male NPSH	3TMHDMH1515
2-1/2" Male NPT x 2-1/2" Male NPSH	3TMHDMH2525
1" Male NPT x 1" Male NST	3TMNDMH1010F
1-1/2" Male NPT x 1-1/2" Male NST	3TMNDMH1515F
2" Male NPT x 2-1/2" Male NST	3TMNDMH2025F
2-1/2" Male NPT x 2-1/2" NST	3TMNDMH2525F
3" Male NPT x 2-1/2" Male NST	3TMNDMH3025F
1-1/2" Male NST x 1-1/2" Male NST	3TMNDMH15F15F

Swivel Adapters - Brass



Female x Male



Female x Female

Size/Description	Part Number
1-1/2" Female NST x 1-1/2" Male NPT	3TSM15X15
2-1/2" Female NST x 1-1/2" Male NPT	3TSM25X15
2-1/2" Female NST x 2" Male NPT	3TSM25X20
2-1/2" Female NST x 2-1/2" Male NPT	3TSM25X25
2-1/2" Female NST x 3" Male NPT	3TSM25X30
1-1/2" Female NST x 1-1/2" Female NPT	3TSF15X15
2-1/2" Female NST x 1-1/2" Female NPT	3TSF25X15
2-1/2" Female NST x 2" Female NPT	3TSF25X20
2-1/2" Female NST x 2-1/2" Female NPT	3TSF25X25
2-1/2" Female NST x 3" Female NPT	3TSF25X30



Aluminum Handwheels



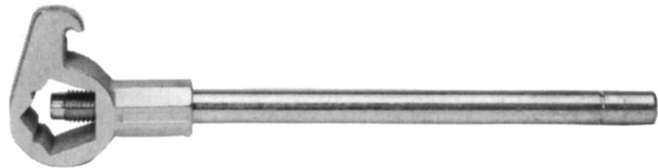
Description	Part Number
Large AL Valve Handwheel	3TAVHW2



Description	Part Number
Small AL Valve Handwheel	3TAVHW1

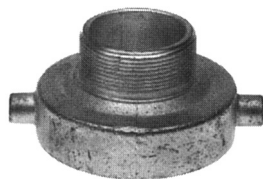
Adjustable Hydrant Wrench

Description	Part Number
Adjustable Hydrant Wrench	3TW189



Reducer

3" Female NPT
x 2" Male NPT



Size	Malleable Iron
	Part Number
3 x 2"	3TR3020D

**The Complete APG Product Line
is Listed on Pages 74 and 75**



Long Shank Hose Couplings

Brass, Steel-Plated, Ductile Iron-Plated

PART Description	Hose I.D.	Brass		Steel-Plated/Ductile Iron-Plated	
		Thread Size and Type (Inches)	Part Number	Thread Size and Type (Inches)	Part Number
 Complete Set	3/8"	3/4 GHT	3TLS037GHB	3/8 NPSM	3TLS037SP ¹
	1/2"	3/4 GHT	3TLS050GHB	1/2 NPSM	3TLS050SP ¹
	5/8"	3/4 GHT	3TLS062GHB	—	—
	3/4"	3/4 GHT	3TLS075GHB	—	—
	3/4"	3/4 NPSM	3TLS075B	3/4 NPSM	3TLS075SP ¹
	1"	1 NPSM	3TLS100B	1 NPSM	3TLS100SP ¹
	1-1/4"	1-1/4 NPSM	3TLS125B	1-1/4 NPSM	3TLS125DP ²
	1-1/2"	1-1/2 NPSM	3TLS150B	1-1/2 NPSM	3TLS150DP ²
	2"	2 NPSM	3TLS200B	2 NPSM	2TLS200DP ²
					¹ Steel-Plated ² Ductile Iron-Plated
 Female Shank w/ Swivel Nut and Washer	3/8"	3/4 GHT	3TLSF037GHB	3/8 NPSM	3TLSF037SP ¹
	1/2"	3/4 GHT	3TLSF050GHB	1/2 NPSM	3TLSF050SP ¹
	5/8"	3/4 GHT	3TLSF062GHB	—	—
	3/4"	3/4 GHT	3TLSF075GHB	—	—
	3/4"	3/4 NPSM	3TLSF075B	3/4 NPSM	3TLSF075SP ¹
	1"	1 NPSM	3TLSF100B	1 NPSM	3TLSF100SP ¹
	1-1/4"	1-1/4 NPSM	3TLSF125B	1-1/4 NPSM	3TLSF125DP ²
	1-1/2"	1-1/2 NPSM	3TLSF150B	1-1/2 NPSM	3TLSF150DP ²
	2"	2 NPSM	3TLSF200B	2 NPSM	3TLSF200DP ²
					¹ Steel-Plated ² Ductile Iron-Plated
 Male Shank	3/8"	3/4 GHT	3TLSM037GHB	3/8 NPSM	3TLSM037SP ¹
	1/2"	3/4 GHT	3TLSM050GHB	1/2 NPSM	3TLSM050SP ¹
	5/8"	3/4 GHT	3TLSM062GHB	—	—
	3/4"	3/4 GHT	3TLSM075GHB	—	—
	3/4"	3/4 NPSM	3TLSM075B	3/4 NPSM	3TLSM075SP ¹
	1"	1 NPSM	3TLSM100B	1 NPSM	3TLSM100SP ¹
	1-1/4"	1-1/4 NPSM	3TLSM125B	1-1/4 NPSM	3TLSM125DP ²
	1-1/2"	1-1/2 NPSM	3TLSM150B	1-1/2 NPSM	3TLSM150DP ²
	2"	2 NPSM	3TLSM200B	2 NPSM	3TLSM200DP ²
					¹ Steel-Plated ² Ductile Iron-Plated

Washers

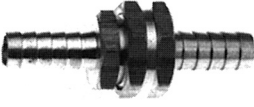
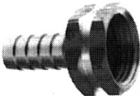
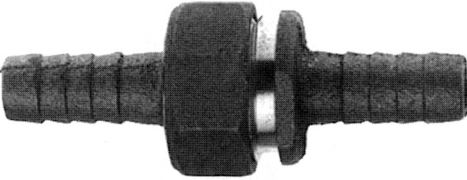
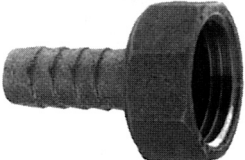


Size	3/8	1/2	3/4	1	1-1/4	1-1/2	2
Part No.	3TRW037	3TRW050	3TRW075	3TRW100	3TRW125	3TRW150	3TRW200



Short Shank Hose Couplings

Brass - Machined, Brass - Cast

PART Description	Brass — Machined		
	Hose I.D.	Thread Size and Type (Inches)	Part Number
 Complete Set	3/8"	3/4 GHT	3GGH037B
	1/2"	3/4 GHT	3GGH050B
	5/8"	3/4 GHT	3GGH062B
	3/4"	3/4 GHT	3GGH075B
	1"	1 NPSM	3GNP100B
 Female Shank w/ Swivel Nut and Washer	3/8"	3/4 GHT	3GGHF037B
	1/2"	3/4 GHT	3GGHF050B
	5/8"	3/4 GHT	3GGHF062B
	3/4"	3/4 GHT	3GGHF075B
	1"	1 NPSM	3GNPF100B
 Male Shank	3/8"	3/4 GHT	3GGHM037B
	1/2"	3/4 GHT	3GGHM050B
	5/8"	3/4 GHT	3GGHM062B
	3/4"	3/4 GHT	3GGHM075B
	1"	1 NPSM	3GNPM100B
Brass — Cast			
 Complete Set	3/8"	3/4 GHT	3TGH037B
	1/2"	3/4 GHT	3TGH050B
	5/8"	3/4 GHT	3TGH062B
	3/4"	3/4 GHT	3TGH075B
	1/2"	3/4 NPSM	3TNP050B
	5/8"	3/4 NPSM	3TNP062B
	3/4"	3/4 NPSM	3TNP075B
	1"	1 NPSM	3TNP100B
 Female Shank w/ Swivel Nut and Washer	3/8"	3/4 GHT	3TGHF037B
	1/2"	3/4 GHT	3TGHF050B
	5/8"	3/4 GHT	3TGHF062B
	3/4"	3/4 GHT	3TGHF075B
	1/2"	3/4 NPSM	3TNPF050B
	5/8"	3/4 NPSM	3TNPF062B
	3/4"	3/4 NPSM	3TNPF075B
	1"	1 NPSM	3TNPF100B
 Male Shank	3/8"	3/4 GHT	3TGHM037B
	1/2"	3/4 GHT	3TGHM050B
	5/8"	3/4 GHT	3TGHM062B
	3/4"	3/4 GHT	3TGHM075B
	1/2"	3/4 NPSM	3TNPM050B
	5/8"	3/4 NPSM	3TNPM062B
	3/4"	3/4 NPSM	3TNPM075B
	1"	1 NPSM	3TNPM100B

Washers

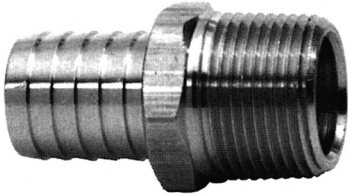
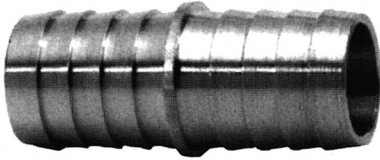
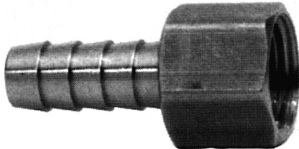
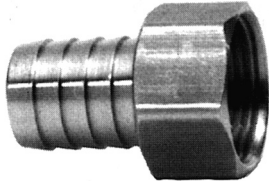


Size	3/4	1
Part No.	3TRW075	3TRW100



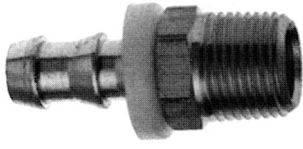
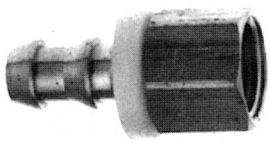
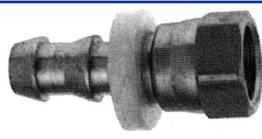
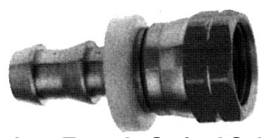
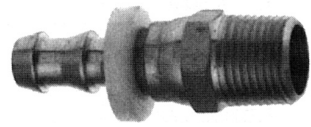
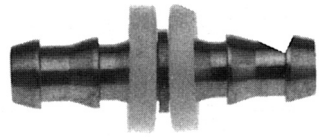
Hose Barb Fittings

Standard (Brass)

Description	Hose I.D.	Thread NPT	Part Number
 Hose Barb to Male Pipe	1/4"	1/8-27	3GMPB04X02
	1/4"	1/4-18	3GMPB04X04
	5/16"	1/4-18	3GMPB05X04
	3/8"	1/4-18	3GMPB06X04
	3/8"	3/8-18	3GMPB06X06
	3/8"	1/2-14	3GMPB06X08
	3/8"	3/4-14	3GMPB06X12
	1/2"	1/4-18	3GMPB08X04
	1/2"	3/8-18	3GMPB08X06
	1/2"	1/2-14	3GMPB08X08
	1/2"	3/4-14	3GMPB08X12
	5/8"	3/8-18	3GMPB10X06
	5/8"	1/2-14	3GMPB10X08
	5/8"	3/4-14	3GMPB10X12
	3/4"	1/2-14	3GMPB12X08
	3/4"	3/4-14	3GMPB12X12
	1"	3/4-14	3GMPB16X12
	1"	1-11-1/2	3GMPB16X16
	1-1/4"	1-11-1/2	3GMPB20X16
 Hose Barb Mender	1/4"	—	3GMSB04X04
	5/16"	—	3GMSB05X05
	3/8"	—	3GMSB06X06
	1/2"	—	3GMSB08X08
	5/8"	—	3GMSB10X10
	3/4"	—	3GMSB12X12
 Hose Barb to Female Pipe	1/4"	1/4-18	3GFPB04X04
	5/16"	1/4-18	3GFPB05X04
	3/8"	1/4-18	3GFPB06X04
	3/8"	3/8-18	3GFPB06X06
	1/2"	1/2-14	3GFPB08X08
 Hose Barb to Female Swivel Ball Seat	1/4"	1/4-18	3GFBS04X04
	3/8"	1/4-18	3GFBS06X04
	3/8"	3/8-18	3GFBS06X06
	1/2"	1/2-14	3GFBS08X08
	3/4"	3/4-14	3GFBS12X12

Hose Barb Fittings

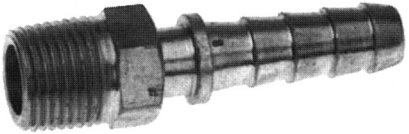
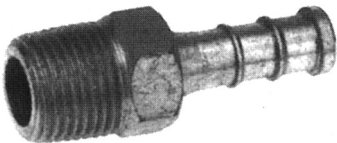
Push-On (Brass)

Description	Hose I.D.	Thread NPT	Part Number
 Hose Barb to Male Pipe	1/4"	1/8	3GHLM04X02
	1/4"	1/4	3GHLM04X04
	1/4"	3/8	3GHLM04X06
	5/16"	1/4	3GHLM05X04
	3/8"	1/8	3GHLM06X02
	3/8"	1/4	3GHLM06X04
	3/8"	3/8	3GHLM06X06
	3/8"	1/2	3GHLM06X08
	1/2"	1/4	3GHLM08X04
	1/2"	3/8	3GHLM08X06
	1/2"	1/2	3GHLM08X08
	1/2"	3/4	3GHLM08X12
	5/8"	1/2	3GHLM10X08
	5/8"	3/4	3GHLM10X12
	3/4"	1/2	3GHLM12X08
	3/4"	3/4	3GHLM12X12
 Hose Barb to Female Pipe	1/4"	1/8	3GHLF04X02
	1/4"	1/4	3GHLF04X04
	5/16"	1/4	3GHLF05X04
	3/8"	1/4	3GHLF06X04
	3/8"	3/8	3GHLF06X06
	1/2"	3/8	3GHLF08X06
	1/2"	1/2	3GHLF08X08
 Hose Barb to Female Swivel J.I.C. 37° Seat	1/4"	9/16-18	3GHJF04X06
	3/8"	9/16-18	3GHJF06X06
	3/4"	1-1/16-12	3GHJF12X12
	1"	1-5/16-12	3GHJF16X16
 Hose Barb to Female Swivel S.A.E. 45° Seat (Nuts are notched to identify S.A.E. thread)	1/4"	5/8-18	3GHSF04X06
	5/16"	5/8-18	3GHSF05X06
	3/8"	5/8-18	3GHSF06X06
	3/4"	1-1/16-14	3GHSF12X12
 Hose Barb to Male Pipe Swivel	1/4"	1/4	3GHMS04X04
	3/8"	1/4	3GHMS06X04
	3/8"	3/8	3GHMS06X06
	1/2"	3/8	3GHMS08X06
	1/2"	1/2	3GHMS08X08
 Hose Barb Mender	1/4"	—	3GMHL04X04
	5/16"	—	3GMHL05X05
	3/8"	—	3GMHL06X06
	1/2"	—	3GMHL08X08
	5/8"	—	3GMHL10X10
	3/4"	—	3GMHL12x12



Male Stems

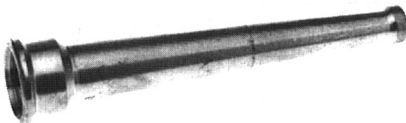
Male Stems- Plated

Part	Hose I.D. or Shank Size	Thread Size NPT	Part Number
 Male Stem- Collared	1/4"	1/8"	3TSN4X2
	1/4"	1/4"	3TSN4X4
	1/4"	3/8"	3TSN4X6
	3/8"	1/4"	3TSN6X4
	3/8"	3/8"	3TSN6X6
	3/8"	1/2"	3TSN6X8
	1/2"	1/4"	3TSN8X4
	1/2"	3/8"	3TSN8X6
	1/2"	1/2"	3TMS050
	1/2"	3/4"	3TSN8X12
	3/4"	1/2"	3TSN12X8
	3/4"	3/4"	3TMS075
	3/4"	3/4"	*3TMSB075
	1"	3/4"	3TSN16X12
	1"	1"	3TMS100
 Male Stem- Band Style	1/4"	1/8"	3TSNB4X2
	1/4"	1/4"	3TSNB4X4
	1/4"	3/8"	3TSNB4X6
	3/8"	1/4"	3TSNB6X4
	3/8"	3/8"	3TSNB6X6
	3/8"	1/2"	3TSNB6X8
	1/2"	1/4"	3TSNB8X4
	1/2"	3/8"	3TSNB8X6
	1/2"	1/2"	3TSNB8X8
	1/2"	3/4"	3TSNB8X12
	3/4"	1/2"	3TSNB12X8
	3/4"	3/4"	3TSNB12X12
	1"	3/4"	3TSNB16X12
	1"	1"	3TSNB16X16

* Machined Brass

Hose Nozzles

Hose Nozzles-Brass

Part	Description	Part Number
	3/4 GHT X 6" Long	3TBNG075
	3/4 NPSM X 6" Long	3TBNP075
	1 NPSM X 8" Long	3TBNP100
	1-1/4 NPSM X 10" Long	3TBNP125
	1-1/2 NPSM X 12" Long	3TBNP150
	2 NPSM X 12" Long	3TBNP200
	2-1/2 NPSM X 12" Long	3TBNP250

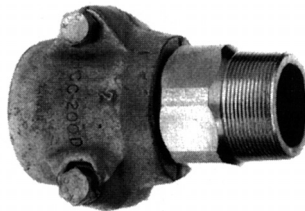


Hydraulic Hose Couplings

Clamp Type - Reusable

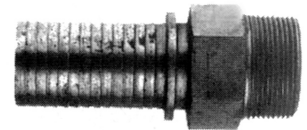
Complete Set

Size	Part Number
1-1/2"	3TH150
2"	3TH200



Hydraulic Male Stem

Size	Part Number
1-1/2"	3THM150
2"	3THM200



Clamp Ductile-Plated

Size	Part Number
1-1/2"	3THC150
2"	3THC200



Hydraulic Hose Couplings Sizing Chart

Size	Hose O.D. Range (Inches)	
	Minimum	Maximum
1-1/2"	2-1/8	2-11/32
2"	2-5/8	2-13/16



“America’s Most Responsive Warehouse”

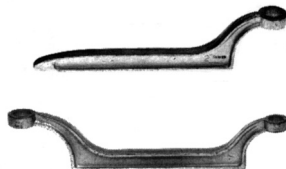


Pinlug Hose Shank Couplings

Ductile Iron-Plated, Brass, Aluminum

PART Description	Size	Ductile Iron-Plated NPSM	Brass NPSM	Aluminum w/Brass Nut NPSM	Aluminum w/Brass Nut-NST
 Complete Set	1-1/2"	3TSHC150D	3TSHC150B	3TSHC150AB	3TSHC150ABN
	2"	3TSHC200D	3TSHC200B	3TSHC200AB	—
	2-1/2"	3TSHC250D	3TSHC250B	3TSHC250AB	3TSHC250ABN
	3"	3TSHC300D	3TSHC300B	3TSHC300AB	—
	4"	3TSHC400D	3TSHC400B	3TSHC400AB	—
	6"	3TSHC600D	3TSHC600B	3TSHC600AB	—
 Female Shank	1-1/2"	3TSHF16D	3TSHF16B	3TSHF16AB	3TSHF16ABN
	2"	3TSHF21D	3TSHF21B	3TSHF21AB	—
	2-1/2"	3TSHF26D	3TSHF26B	3TSHF26AB	3TSHF26ABN
	3"	3TSHF31D	3TSHF31B	3TSHF31AB	—
	4"	3TSHF41D	3TSHF41B	3TSHF41AB	—
	6"	3TSHF61D	3TSHF61B	3TSHF61AB	—
PART Description	Size	Ductile Iron-Plated NPSM	Brass NPSM	Aluminum NPSM	Aluminum NST
 Male Shank	1-1/2"	3TSHM16D	3TSHM16B	3TSHM16A	3TSHM16AN
	2"	3TSHM21D	3TSHM21B	3TSHM21A	—
	2-1/2"	3TSHM26D	3TSHM26B	3TSHM26A	3TSHM26AN
	3"	3TSHM31D	3TSHM31B	3TSHM31A	—
	4"	3TSHM41D	3TSHM41B	3TSHM41A	—
	6"	3TSHM61D	3TSHM61B	3TSHM61A	—
 Swivel Nut	1-1/2"	3TN16D	3TN16B	Gaskets 	
	2"	3TN21D	3TN21B		
	2-1/2"	3TN26D	3TN26B		
	3"	3TN31D	3TN31B		
	4"	3TN41D	3TN41B		
	6"	3TN61D	3TN61B		

Spanner Wrenches



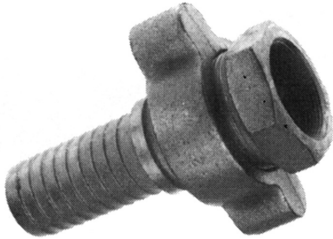
Size	1-1/2	2	2-1/2	3	4	1-1/2x2-1/2
Part No.	3TW15	3TW20	3TW25	3TW30	3TW40	3TW1525

Size	Part Number
1-1/2"	3TRW150
2"	3TRW200
2-1/2"	3TRW250
3"	3TRW300
4"	3TRW400
6"	3TRW600



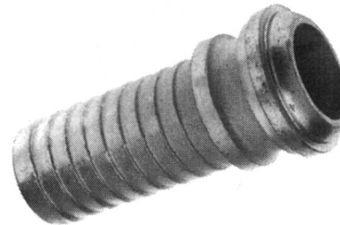
Ground Joint Couplings

Stem, Wing Nut & Female Spud



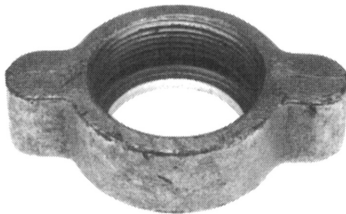
Size	Part Number
1/2"	3TGJ050
3/4"	3TGJ075
1"	3TGJ100
1-1/4"	3TGJ125
1-1/2"	3TGJ150
2"	3TGJ200
2-1/2"	3TGJ250
3"	3TGJ300
4"	3TGJ400

Stem



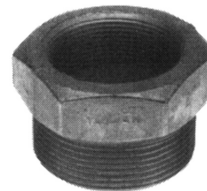
Size	Part Number
1/2"	3TGS050
3/4"	3TGS075
1"	3TGS100
1-1/4"	3TGS125
1-1/2"	3TGS150
2"	3TGS200
2-1/2"	3TGS250
3"	3TGS300
4"	3TGS400

Wing Nut



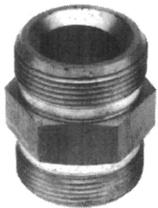
Size	Part Number
1/2"	3TWN050
3/4"	3TWN075/100
1"	3TWN075/100
1-1/4"	3TWN125/150
1-1/2"	3TWN125/150
2"	3TWN200
2-1/2"	3TWN250
3"	3TWN300
4"	3TWN400

Female Spud



Size	Part Number
1/2"	3TFS050
3/4"	3TFS075
1"	3TFS100
1-1/4"	3TFS125
1-1/2"	3TFS150
2"	3TFS200
2-1/2"	3TFS250
3"	3TFS300
4"	3TFS400

Double Spud



Size	Part Number
3/4"	3TGJDS75/100
1"	3TGJDS75/100

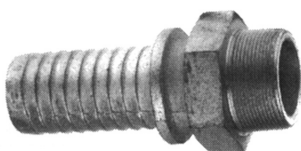
Male Spud



Size	Part Number
3/4"	3TGJMS075
1"	3TGJMS100

Male Stems

Size	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
Part No.	3TMS050	3TMS075	3TMS100	3TMS125	3TMS150	3TMS200	3TMS250	3TMS300	3TMS400





Sand Blast Couplings

Part Q

Hose End



Hose I.D.	Hose O.D.	Aluminum	Brass
3/4"	1-1/2"	3TQ1A	3TQ1B
1"	1-7/8"	3TQ2A	3TQ2B
1-1/4"	2-5/32"	3TQ3A	3TQ3B
1-1/2"	2-3/8"	3TQ4A	3TQ4B

Part NH

Nozzle Holder



Hose I.D.	Hose O.D.	Thread Size and Type (Inches)	Aluminum	Brass
3/4"	1-1/2"	1-1/4NPS	3TNH1A	3TNH1B
1"	1-7/8"	1-1/4NPS	3TNH2A	3TNH2B
1-1/4"	2-5/32"	1-1/4NPS	3TNH3A	3TNH3B
1-1/2"	2-3/8"	1-1/4NPS	3TNH4A	3TNH4B

Part SB

Adapter



Thread Size and Type (Inches)	Aluminum	Brass
1-1/4NPT	3TSB1A	3TSB1B
1-1/2NPT	3TSB2A	3TSB2B

NBR Gasket Part SBG

(One Size Fits All)



Part Number

3TSBG

Screws

Part Number

3TSBS

Questions?
Just ask. We can help!



Foot Valves

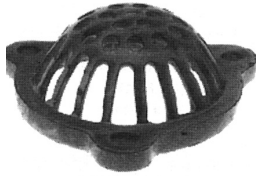
Ductile Iron Foot Valve



Pipe Size (Inches)	Part Number
1-1/2	3TFV150
2	3TFV200
2-1/2	3TFV250
3	3TFV300
4	3TFV400
6	3TFV600
8	3TFV800

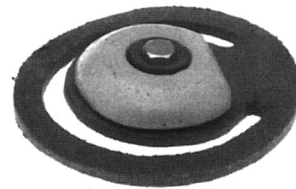
Foot Valve Repair Parts

Strainer



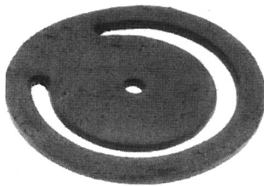
Size	Part Number
1-1/2"	3TSTR150
2"	3TSTR200
2-1/2"	3TSTR250
3"	3TSTR300
4"	3TSTR400
6"	3TSTR600
8"	3TSTR800

Leather, Weight Washer and Screw



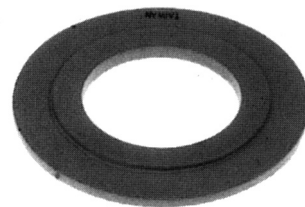
Size	Part Number
1-1/2"	3TLWWS150
2"	3TLWWS200
2-1/2"	3TLWWS250
3"	3TLWWS300
4"	3TLWWS400
6"	3TLWWS600
8"	3TLWWS800

Leather



Size	Part Number
1-1/2"	3TLEA150
2"	3TLEA200
2-1/2"	3TLEA250
3"	3TLEA300
4"	3TLEA400
6"	3TLEA600
8"	3TLEA800

Seat Plate



Size	Part Number
1-1/2"	3TSP150
2"	3TSP200
2-1/2"	3TSP250
3"	3TSP300
4"	3TSP400
6"	3TSP600
8"	3TSP800

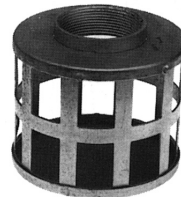
Strainers (Steel)

Round Hole



Size	Part Number
1-1/2"	3TRHS150
2"	3TRHS200
2-1/2"	3TRHS250
3"	3TRHS300
4"	3TRHS400
6"	3TRHS600
8"	3TRHS800

Square Hole



Size	Part Number
1-1/2"	3TSHS150
2"	3TSHS200
3"	3TSHS300
4"	3TSHS400
6"	3TSHS600

Top Hole



Size	Part Number
1-1/2"	3TTHS150
2"	3TTHS200
3"	3TTHS300

Bottom Hole



Size	Part Number
1-1/2"	3TBHS150
2"	3TBHS200
3"	3TBHS300



Valves

Ball Valves

Brass Standard Port 400 PSI WOG



Forged Brass Body and Connector. Chromium Plated Brass Ball. Viton® Stem Seal, Teflon® Seats. Bottom Entry, Blow-out Proof Stem, 125 PSI Saturated Steam. Threaded NPT Female X Female. Two Piece Design.

Size	Part Number
1/2"	3V04B050
3/4"	3V04B075
1"	3V04B100
1-1/4"	3V04B125
1-1/2"	3V04B150
2"	3V04B200
2-1/2"	3V04B250
3"	3V04B300
4"	3V04B400

Brass Full Port 400 PSI WOG



Forged Brass Body and Connector. Chromium Plated Brass Ball. Viton® Stem Seal, Teflon® Seats. Bottom Entry, Blow-out Proof Stem, 125 PSI Saturated Steam. Threaded NPT Female X Female. Two Piece Design

Size	Part Number
1/2"	3V04BF050
3/4"	3V04BF075
1"	3V04BF100
1-1/4"	3V04BF125
1-1/2"	3V04BF150
2"	3V04BF200

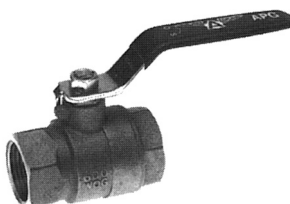
Brass Standard Port 600 PSI WOG



Forged Brass Body and Connector. Chromium Plated Brass Ball. Brass Stem, Cap, Gland Cap, Nut, Seat, Thrust Washer, Cap Washer and Packing are Brass. Handle and Washer are Steel. Handle Cover is Vinyl. Threaded NPT Female X Female. Two Piece Design.

Size	Part Number
1/4"	3V06BS025
3/8"	3V06BS037
1/2"	3V06BS050
3/4"	3V06BS075
1"	3V06BS100
1-1/4"	3V06BS125
1-1/2"	3V06BS150
2"	3V06BS200
3"	3V06BS300

Brass Full Port 600 PSI WOG



Forged Brass Body and Connector. Chromium Plated Brass Ball. Brass Stem. Seats, Stem Seal, and Stem Washer are Teflon®. Threaded NPT Female X Female. Two Piece Design.

Size	Part Number
1/4"	3V06B025
3/8"	3V06B037
1/2"	3V06B050
3/4"	3V06B075
1"	3V06B100
1-1/4"	3V06B125
1-1/2"	3V06B150
2"	3V06B200
2-1/2"	3V06B250
3"	3V06B300
4"	3V06B400



Stainless Steel Standard Port 800 PSI WOG**

316 Stainless Steel Body and Ball.
Teflon® Stem, Seal and Seat.
304 Stainless Steel Handle and Locking
Handle Clip. Threaded NPT Female x
Female. Temperature Range: -60 to 450° F.
One Piece Design.

Size	Part Number
1/4"	3V08S025
3/8"	3V08S037
1/2"	3V08S050
3/4"	3V08S075
1"	3V08S100
1-1/4"	3V08S125
1-1/2"	3V08S150
2"	3V08S200



****These valves are transitioning from 800 PSI to 1000 PSI. Some valves will have a pressure rating of 1000 PSI and will be labeled accordingly.**

Stainless Steel Full Port 1000 PSI WOG

316 Stainless Steel Body and Ball. Teflon® Stem, Seal and
Seat. 304 Stainless Steel Handle and Locking Handle Clip.
Threaded NPT Female x Female. Temperature Range: -60 to
450° F. Two piece design.

Size	Part Number
1/4"	3V01SF025
3/8"	3V01SF037
1/2"	3V01SF050
3/4"	3V01SF075
1"	3V01SF100
1-1/4"	3V01SF125
1-1/2"	3V01SF150
2"	3V01SF200
2-1/2"	3V01SF250
3"	3V01SF300



Gate Valves

Brass 200 PSI WOG

Forged Brass Body. Brass Stem.
Bonnet, Disc, Thrust Washer, Gland
Follower, Gland Nut and Nut are
Brass. Cast Iron Hand Wheel.
Aluminum Name Plate - 125 PSI
Saturated Steam. One Piece Design.



Size	Part Number
1/4"	3V02GB025
3/8"	3V02GB037
1/2"	3V02GB050
3/4"	3V02GB075
1"	3V02GB100
1-1/4"	3V02GB125
1-1/2"	3V02GB150
2"	3V02GB200
2-1/2"	3V02GB250
3"	3V02GB300
4"	3V02GB400

Swing Check Valves

Brass 200 PSI WOG



Size	Part Number
1/2"	3V02CV050
3/4"	3V02CV075
1"	3V02CV100
1-1/4"	3V02CV125
1-1/2"	3V02CV150
2"	3V02CV200
3"	3V02CV300



Quick Disconnect Couplers and Plugs

Industrial Interchange Series

Standard Couplers have brass adapters and barrels, heat treated steel sleeves and valves, stainless steel balls and springs. Brass Couplers are all brass with stainless steel balls and springs. All couplers have Buna-N washers. Couplers have an automatic shutoff valve which seals off instantly upon uncoupling. Maximum working pressure is 300 PSIG. Use on compressed air lines only. Couplers meet MIL Spec 4109.

ALSO AVAILABLE: All Stainless Steel (Type 303). Brass Chrome (Nickel Chrome Plated Brass).

1/4" Couplers

Description	Size	Part Number
 Male NPT	1/8"	3Q4C2M
	1/4"	3Q4C4M
	1/4"	3Q4C4M-B ¹
	3/8"	3Q4C6M
 Female NPT	1/8"	3Q4C2F
	1/4"	3Q4C4F
	1/4"	3Q4C4F-B ¹
	3/8"	3Q4C6F
 Hose Barb	1/4"	3Q4C4S
	5/16"	3Q4C5S
	3/8"	3Q4C6S

1/4" Plugs

Description	Size	Part Number
 Male NPT	1/8"	3Q4P2M
	1/4"	3Q4P4M
	1/4"	3Q4P4M-B ¹
	3/8"	3Q4P6M
 Female NPT	1/8"	3Q4P2F
	1/4"	3Q4P4F
	1/4"	3Q4P4F-B ¹
	3/8"	3Q4P6F
 Hose Barb	1/4"	3Q4P4S
	5/16"	3Q4P5S
	3/8"	3Q4P6S

3/8" Couplers

Description	Size	Part Number
 Male NPT	1/4"	3Q6C4M
	3/8"	3Q6C6M
	1/2"	3Q6C8M
 Female NPT	1/4"	3Q6C4F
	3/8"	3Q6C6F
	1/2"	3Q6C8F
 Hose Barb	1/4"	3Q6C4S
	3/8"	3Q6C6S
	1/2"	3Q6C8S

3/8" Plugs

Description	Size	Part Number
 Male NPT	1/4"	3Q6P4M
	3/8"	3Q6P6M
	1/2"	3Q6P8M
 Female NPT	1/4"	3Q6P4F
	3/8"	3Q6P6F
	1/2"	3Q6P8F
 Hose Barb	1/4"	—
	3/8"	3Q6P6S
	1/2"	3Q6P8S

1/2" Couplers

Description	Size	Part Number
 Male NPT	3/8"	3Q8C6M
	1/2"	3Q8C8M
	3/4"	3Q8C12M
 Female NPT	3/8"	3Q8C6F
	1/2"	3Q8C8F
	3/4"	3Q8C12F
 Hose Barb	3/8"	3Q8C6S
	1/2"	3Q8C8S
	3/4"	3Q8C12S

1/2" Plugs

Description	Size	Part Number
 Male NPT	3/8"	3Q8P6M
	1/2"	3Q8P8M
	3/4"	3Q8P12M
 Female NPT	3/8"	3Q8P6F
	1/2"	3Q8P8F
	3/4"	3Q8P12F
 Hose Barb	3/8"	3Q8P6S
	1/2"	3Q8P8S
	3/4"	3Q8P12S

¹Brass



Quick Disconnect Couplings Cross Reference Chart

Couplers

APG	AMFLO	ARO	COILHOSE	FOSTER	HANSEN	HOFFMAN	MILTON	PARKER	SHRADER	TRUFLATE
3Q8C8M	C9	—	122	5305	530	MC4	1816	16	3511	13-704
3Q8C6M	C9-03	—	121	5105	510	MC3	1814	16E	—	—
3Q8C12M	C9-06	—	—	5505	—	MC5	—	16G	—	—
3Q8C8F	C10	—	120	5205	520	FC4	1815	17	3512	13-712
3Q8C6F	C10-23	—	123	5005	500	FC3	1813	17E	3516	13-710
3Q8C12F	C10-26	—	—	5405	—	FC5	—	17G	—	—
3Q8C6S	C10-44	—	—	5705	—	SC3	—	16-5B	—	—
3Q8C8S	C10-45	—	—	5805	—	SC4	—	16-6B	—	—
3Q8C12S	C10-46	—	—	5905	—	SC5	—	16-7B	—	13-766
3Q4C4F	C20	23102-200	150	3003	3000	FA2	715	23	5142-12	13-234
3Q4C4F-B	C20B	—	—	3003B	22AS25M	FA2-B	—	B23	—	—
3Q4C2F	C20-21	23102-1	158	2803	2800	FA1	707	—	—	—
3Q4C6F	C20-23	23102-3	151	3203	3200	FA3	718	—	5263-12	—
3Q4C4S	C20-42	23102-22	—	3603	22AS25H	SA2	717	B20-3B	—	13-264
3Q4C5S	C20-43	23101-001	—	3653	22AS31H	SA25	—	20-4B	—	—
3Q4C6S	C20-44	23102-024	—	3703	22AS37H	SA3	717-6	20-5B	—	—
3Q4C4M	C21	23102-212	152	3103	3100	MA2	716	22	5141-12	13-224
3Q4C4M-B	C21B	—	—	3103B	22AS25M	MA2-B	—	B22	—	—
3Q4C2M	C21-01	23102-11	159	2903	2900	MA1	708	—	—	—
3Q4C6M	C21-03	23102-213	155	3303	3300	MA3	719	—	5140-12	—
3Q6C6M	C25	23103-313	581	4304	4300	MB3	1836	24	—	13-526
3Q6C4M	C25-02	23103-012	—	4104	—	MB2	—	24C	—	—
3Q6C8M	C25-04	23103-14	—	4504	—	MB4	—	24F	—	—
3Q6C6F	C26	23103-300	580	4204	4200	FB3	1835	25	3541	13-536
3Q6C4F	C26-22	23103-002	—	4004	—	FB2	1833	25C	—	—
3Q6C8F	C26-24	23103-004	—	4004	—	FB4	1836-6	25F	—	—
3Q6C4S	C26-42	23103-22	—	4604	—	SB2	—	—	—	—
3Q6C6S	C26-44	23103-324	—	4804	—	SB3	—	24-5B	—	13-566
3Q6C8S	C26-45	23103-25	—	4904	—	SB4	—	24-6B	—	—

Plugs

APG	AMFLO	ARO	COILHOSE	FOSTER	HANSEN	HOFFMAN	MILTON	PARKER	SHRADER	TRUFLATE
3Q8P8M	CP-17	23904-410	1201	54-5	54	MPC4	1857	H2F	—	12-752
3Q8P6M	CP-17-03	23904-310	—	52-5	52	MPC3	1859	H0F	—	—
3Q8P12M	CP17-06	23904-510	—	56-5	56	MPC5	—	H2F-G	—	—
3Q8P6S	CP17-44	23904-420	—	59-5	59	SPC3	—	H4F	—	—
3Q8P8S	CP17-45	23904-520	—	60-5	60	SPC4	—	H5F	—	12-760
3Q8P12S	CP17-46	23904-620	—	71-3	—	SPC5	—	H5F-G	—	—
3Q8P8F	CP18	23904-400	1202	55-5	55	FPC4	1858	H3F	—	12-762
3Q8P6F	CP18-23	23904-003	—	53-5	53	FPC3	1860	H1F	—	—
3Q8P12F	CP18-26	23904-005	—	57-5	57	FPC5	—	H3F-G	—	—
3Q4P4F	CP20	23902-200	1502	11-3	11	FPA2	728	H3C	5137-11	12-234
3Q4P4F-B	CP20B	—	—	11-3B	B-11	FPA2-B	—	BH3C	—	—
3Q4P2F	CP20-21	23902-100	—	13-3	—	FPA1	—	H1C	—	—
3Q4P6F	CP20-23	23902-3	1505	15-3	15	FPA3	732	H3C-E	5263-11	12-236
3Q4P4M	CP21	23902-310	1501	10-3	10	MPA2	727	H2C	5138-11	12-224
3Q4P4M-B	CP21B	—	—	10-3B	B-10	MPA2-B	—	BH2C	—	—
3Q4P2M	CP21-01	23902-110	—	12-3	12	MPA1	726	H0C	—	—
3Q4P6M	CP21-03	23902-310	1503	14-3	14	MPA3	733	H2C-3	—	12-226
3Q4P4S	CP21-42	23902-220	—	16-3	16	SPA2	736	H8C	5223-11	12-265
3Q4P5S	CP21-43	23902-320	—	165-3	18	SPA25	—	H8C-D	—	—
3Q4P6S	CP21-44	23902-420	—	17-3	17	SPA3	736-6	HK9C	—	12-226
3Q6P6M	CP25	23903-310	5801	42-4	42	MPB3	1837	H2E	3542	12-526
3Q6P4M	CP25-02	23902-210	—	40-4	40	MPB2	1839	H0E	—	—
3Q6P8M	CP25-04	23903-410	—	44-4	44	MPB4	—	H2E-F	—	—
3Q6P4S	C25-42	23903-320	—	46-4	404	SPB2	—	—	—	—
3Q6P6S	C25-44	23903-420	—	48-4	406	SPB3	1837-6	H5E	—	12-566
3Q6P8S	C25-45	23903-520	—	49-4	408	SPB4	—	H5E	—	—
3Q6P6F	CP26	23903-300	5802	43-4	43	FPB3	1838	H3E	3543	12-536
3Q6P4F	CP26-22	23903-300	—	41-4	41	FPB2	1840	H1E	—	—
3Q6P8F	CP26-24	23903-004	—	45-4	45	FPB4	—	H3E-F	—	—



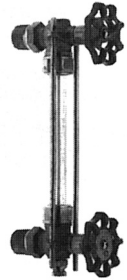
Conbraco Water Gauges

Rough Brass

20-100 Series

Self Cleaning.
Tested for
pressure to 125 pounds. 1/4" needle drain
valve in lower arm - standard.

Pipe Size	Glass Size	Wheel Type	Part Number
1/2"	5/8"	Aluminum	3C20-104
1/2"	5/8"	Composition	3C20-105



20-200 Series

Self cleaning.
Tested for
pressure to 200 pounds with standard glass.
250 pounds with hi-pressure glass. 1/4"
needle drain valve in lower arm - standard.

Pipe Size	Glass Size	Wheel Type	Part Number
1/2"	5/8"	Aluminum	3C20-204
1/2"	5/8"	Composition	3C20-205
3/4"	3/4"	Aluminum	3C20-207

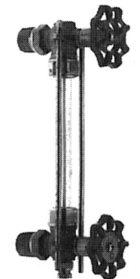


The 20-150 Series, 20-250 Series, and 20-350 Series listed below are equipped with ball checks to prevent scalding the operator in event of glass breakage. The sudden rush of steam and water will carry the balls to their seats thereby shutting off the escape of steam and water. 1/4" Needle Drain Valve in Lower Arm-Standard - 1/4" Petcock in Lower Arm Available Upon Request.

20-150 Series Standard Pattern

Tested for
pressure to
125 pounds;
with ball
check.

Pipe Size	Glass Size	Wheel Type	Part Number
1/2"	5/8"	Aluminum	3C20-150
1/2"	5/8"	Composition	3C20-151



20-250 Series Heavy Pattern

Tested for
pressure to
200 pounds
with standard

glass. 250 pounds with hi-pressure glass;
with ball check.

Pipe Size	Glass Size	Wheel Type	Part Number
1/2"	5/8"	Aluminum	3C20-250



20-350 Series

Tested for
pressure to
200 pounds with standard glass. 250
pounds with hi-pressure glass; with ball
check.

Pipe Size	Glass Size	Wheel Type	Part Number
1/2"	5/8"	Aluminum	3C20-350
3/4"	3/4"	Aluminum	3C20-353





Conbraco Water Gauges

Polished Brass

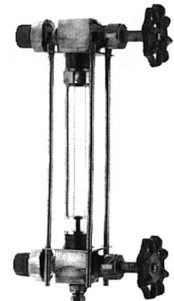
25-500 Series

Self cleaning.
Tested for

250 pounds pressure with hi-pressure glass. Ball Checks in the upper and lower arms prevent the escape of steam

and water should the gauge glass be accidentally broken. The sudden rush of steam and water carry the balls to their seats, immediately shutting off the escape of steam and water.

Pipe Size	Glass Size	Wheel Type	Part Number
1/2"	5/8"	Aluminum	3C25-501
1/2"	5/8"	Composition	3C25-502
3/4"	3/4"	Aluminum	3C25-504



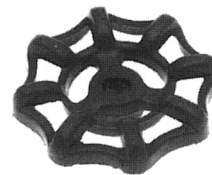
Replacement Parts for Water Gauges

Aluminum Wheels

Part Number

3CH-2435

For 125# Gauges



Brass Nut

Size	Part Number
5/8"	3CC-1408
3/4"	3CC-1407

Brass Washer

Size	Part Number
5/8"	3CE-1819
3/4"	3CE-1818

Rubber Washer

Size	Part Number
5/8"	3CD-1600
3/4"	3CD-1606

Note

Conbraco manufactures other products not normally stocked by APG that are available by Special Order.

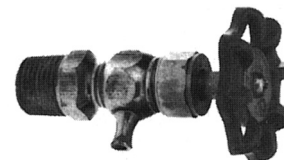
Please inquire.

Compression Gauge Cock

26-300 Series

Soft metal seat/stuffing box. Tested for 250 pounds pressure.

Size	Wheel Type	Part Number
1/2"	Aluminum	3C26-304-28



Note:

Conbraco Water Gauges do not include glass tubing or brass guard rods. APG can supply both items. Glass tubing can be cut to your specifications utilizing Standard Gauge Glass, High Pressure, Red Line, Heavy Wall and Red Line Heavy Wall Gauge Glass. (Rigid plastic tubing also available.)

Formula for Determining Glass and Rod:

— Glass is 1-1/4" shorter than centerline to centerline dimension. Rods are 2" longer than glass.

Exception:

— For 20-350, glass is 2" shorter than centerline dimension. Rods are 1-1/4" longer than glass.



Pressure Gauges

Black Steel Case Brass Lower Connection



Pressure Range psi/bar (100 x kPa)	1-1/2" Face 1/8" Connection	2" Face 1/4" Connection	2-1/2" Face 1/4" Connection	4" Face 1/4" Connection
*30(vac)/-1	—	—	3D25200ND02L30V	—
*30-0-30/-1 to 2	—	—	3D25200ND02L30V30	—
0-30/0-2	3D15200ND01L30	3D20200ND02L30	3D25200ND02L30	3D40400ND02L30
0-60/0-4	3D15200ND01L60	3D20200ND02L60	3D25200ND02L60	3D40400ND02L60
0-100/0-7	3D15200ND01L100	3D20200ND02L100	3D25200ND02L100	3D40400ND02L100
0-160/0-11	3D15200ND01L160	3D20200ND02L160	3D25200ND02L160	3D40400ND02L160
0-200/0-14	—	—	3D25200ND02L200	3D40400ND02L200
0-300/0-20	—	—	3D25200ND02L300	3D40400ND02L300
0-400/0-25	—	—	3D25200ND02L400	3D40400ND02L400
0-600/0-40	—	—	3D25200ND02L600	3D40400ND02L600
0-1000/0-70	—	—	—	3D40400ND02L1000
0-1500/0-100	—	—	—	—
0-2000/0-140	—	—	—	3D40400ND02L2000
0-3000/0-200	—	—	—	3D40400ND02L3000

*in. Hg

Black Steel Case Brass Back Connection



Pressure Range psi/bar (100 x kPa)	1-1/2" Face 1/8" Connection	2" Face 1/4" Connection	2-1/2" Face 1/4" Connection
*30(vac)/-1	—	—	3D25200ND02B30V
*30-0-30/-1 to 2	—	—	3D25200ND02B30V30
0-30/0-2	3D15200ND01B30	3D20200ND02B30	3D25200ND02B30
0-60/0-4	3D15200ND01B60	3D20200ND02B60	3D25200ND02B60
0-100/0-7	3D15200ND01B100	3D20200ND02B100	3D25200ND02B100
0-160/0-11	3D15200ND01B160	3D20200ND02B160	3D25200ND02B160
0-200/0-14	—	—	3D25200ND02B200
0-300/0-20	—	—	3D25200ND02B300
0-400/0-25	—	—	3D25200ND02B400
0-600/0-40	—	—	3D25200ND02B600

*in. Hg

Please call for availability of other styles and pressure ranges.



Pressure Gauges

**Stainless Steel Case
Brass Lower Connection
Liquid Filled**



Pressure Range psi/bar (100 x kPa)	1-1/2" Face 1/8" Connection	2-1/2" Face 1/4" Connection	4" Face 1/4" Connection
*30(vac)/-1	—	3D25400FG02L30V	—
*30-0-30/-1 to 2	—	3D25400FG02L30V30	—
0-30/0-2	3D15400FG01L30	3D25400FG02L30	3D40400FG02L30
0-60/0-4	3D15400FG01L60	3D25400FG02L60	3D40400FG02L60
0-100/0-7	3D15400FG01L100	3D25400FG02L100	3D40400FG02L100
0-160/0-11	3D15400FG01L160	3D25400FG02L160	3D40400FG02L160
0-200/0-14	3D15400FG01L200	3D25400FG02L200	3D40400FG02L200
0-300/0-20	—	3D25400FG02L300	3D40400FG02L300
0-400/0-25	—	3D25400FG02L400	3D40400FG02L400
0-600/0-40	—	3D25400FG02L600	3D40400FG02L600
0-1000/0-70	—	3D25400FG02L1000	3D40400FG02L1000
0-1500/0-100	—	3D25400FG02L1500	3D40400FG02L1500
0-2000/0-140	—	3D25400FG02L2000	3D40400FG02L2000
0-3000/0-200	—	3D25400FG02L3000	3D40400FG02L3000
0-5000/0-315	—	3D25400FG02L5000	3D40400FG02L5000
0-10000/0-700	—	—	—
0-15000/0-10000	—	—	—

*in. Hg

**Stainless Steel Case
Brass Back Connection
Liquid Filled**



Pressure Range psi/bar (100 x kPa)	1-1/2" Face 1/8" Connection	2-1/2" Face 1/4" Connection
*30(vac)/-1	—	3D25400FG02B30V
*30-0-30/-1 to 2	—	3D25400FG02B30V30
0-30/0-2	3D15400FG01B30	3D25400FG02B30
0-60/0-4	3D15400FG01B60	3D25400FG02B60
0-100/0-7	3D15400FG01B100	3D25400FG02B100
0-160/0-11	3D15400FG01B160	3D25400FG02B160
0-200/0-14	3D15400FG01B200	3D25400FG02B200
0-300/0-20	—	3D25400FG02B300
0-400/0-25	—	3D25400FG02B400
0-600/0-40	—	3D25400FG02B600
0-1000/0-70	—	3D25400FG02B1000
0-1500/0-100	—	3D25400FG02B1500
0-2000/0-140	—	3D25400FG02B2000
0-3000/0-200	—	3D25400FG02B3000
0-5000/0-315	—	3D25400FG02B5000
0-10000/0-700	—	—
0-15000/0-10000	—	—

*in. Hg

Please call for availability of other styles and pressure ranges.

Note: If a dash (—) appears in lieu of a published part number, please inquire regarding current availability.



Pressure Gauges

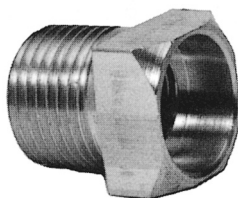
**All Stainless Steel
Lower Connection
Liquid Filled**



Pressure Range psi/bar (100 x kPa)	2-1/2" Face 1/4" Connection	4" Face 1/2" Connection
*30(vac)/-1	3D25500FG02L30V	—
*30-0-30/-1 to 2	—	—
0-30/0-2	3D25500FG02L30	3D40500FG04L30
0-60/0-4	3D25500FG02L60	3D40500FG04L60
0-100/0-7	3D25500FG02L100	3D40500FG04L100
0-160/0-11	3D25500FG02L160	3D40500FG04L160
0-200/0-14	3D25500FG02L200	3D40500FG04L200
0-300/0-20	3D25500FG02L300	3D40500FG04L300
0-400/0-25	3D25500FG02L400	3D40500FG04L400
0-600/0-40	3D25500FG02L600	3D40500FG04L600
0-1000/0-70	3D25500FG02L1000	3D40500FG04L1000
0-1500/0-100	3D25500FG02L1500	3D40500FG04L1500
0-2000/0-140	3D25500FG02L2000	3D40500FG04L2000
0-3000/0-200	3D25500FG02L3000	3D40500FG04L3000
0-5000/0-315	3D25500FG02L5000	3D40500FG04L5000
0-10000/0-700	—	—
0-15000/0-10000	—	—

*in. Hg

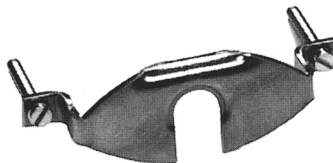
**1/4" to 1/2" Brass
Connection Adapter**



Part Number

3D200010

2-1/2" C-Clamp



Part Number

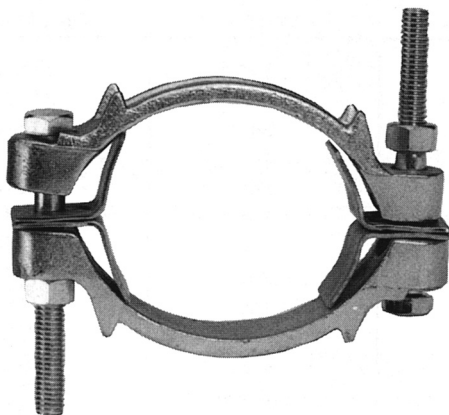
3D91PBS2.5

Please call for availability of other styles and pressure ranges.



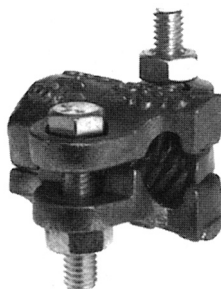
Clamps (Ductile Iron-Plated)

Double Bolt Clamp



Universal Clamp

(For Universal Couplings)



High Pressure Clamp



Heavy Duty Clamp (2 Bolt)



Hose O.D. Range (Inches)		Part Number
Minimum	Maximum	
21/32	7/8	3T0022
7/8	1-9/64	3T0029
1-5/16	1-11/32	3T0034
1-5/16	1-19/32	3T0040
1-5/8	1-15/16	3T0049
1-7/8	2-3/8	3T0060
2-3/8	3-1/16	3T0076
3-1/4	3-11/16	3T0094
3-1/2	4	3T0400
4-1/16	4-7/16	3T0463
4-3/16	5	3T0525
5	5-1/2	3T0550
5-1/2	6-1/16	3T0600
6-1/8	6-7/8	3T0675
6-15/16	7-5/8	3T0769
7-11/16	8-3/16	3T0818
8-1/4	8-7/8	3T0875
8-15/16	9-7/8	3T0988
9-15/16	11-3/8	3T1125
11-3/16	13	3T1275
12-3/16	14	3T1360
13-3/16	15	3T1450
15-1/16	17-1/2	3T1700

Hose I.D.	Hose O.D. Range (Inches)		Part Number
	Minimum	Maximum	
3/8"	11/16	3/4	3TUC037
1/2"	15/16	1-1/16	3THPC050
3/4"	1-1/8	1-5/16	3TUC075

Hose I.D.	Hose O.D. Range (Inches)		Part Number
	Minimum	Maximum	
1/2"	15/16	1-1/16	3THPC050 (2-Bolt)
1/2"	1-1/16	1-3/16	3THPC050OS (2-Bolt)
3/4"	1-3/16	1-5/16	3THPC075U (2-Bolt)
3/4"	1-5/16	1-1/2	3THPC075 (2-Bolt)
3/4"	1-1/2	1-11/16	3THPC075OS (2-Bolt)
1"	1-17/32	1-23/32	3THPC100U (4-Bolt)
1-1/4"	2-1/16	2-1/4	3THPC125 (4-Bolt)
1-1/2"	2-3/32	2-9/32	3THPC150U (4-Bolt)
1-1/2"	2-1/4	2-7/16	3THPC150 (4-Bolt)
1-1/2"	2-15/32	2-23/32	3THPC150OS (4-Bolt)
2"	2-1/2	2-25/32	3THPC200U (4-Bolt)
2"	2-3/4	3-1/16	3THPC200 (4-Bolt)
2"	3-3/32	3-7/16	3THPC200OS (4-Bolt)
2-1/2"	3-1/2	3-15/16	3THPC250 (4-Bolt)
3"	3-13/16	4-3/16	3THPC300U (4-Bolt)
3"	4-1/16	4-7/16	3THPC300 (4-Bolt)
3"	4-1/4	4-13/16	3THPC400U (6-Bolt)
4"	4-7/8	5-5/16	3THPC400 (6-Bolt)
4"	5-1/8	6-3/16	3THPC400OS (6-Bolt)

Hose O.D.	Part Number
3/4"	3TAR88DB12
1"	3TAR88DB16
1-1/4"	3TAR88DB20
1-1/2"	3TAR88DB24
2"	3TAR88DB32



Spiral Clamps

Spiral Clamps-Right



Size	Part Number
1-1/2"	3TSCR150
2"	3TSCR200
2-1/2"	3TSCR250
3"	3TSCR300
4"	3TSCR400
5"	3TSCR500
6"	3TSCR600
8"	3TSCR800
10"	3TSCR1000
12"	3TSCR1200

Spiral Clamps-Left



Size	Part Number
1-1/2"	3TSCL150
2"	3TSCL200
2-1/2"	3TSCL250
3"	3TSCL300
4"	3TSCL400
5"	3TSCL500
6"	3TSCL600
8"	3TSCL800
10"	3TSCL1000
12"	3TSCL1200



“America’s Most Responsive Warehouse”

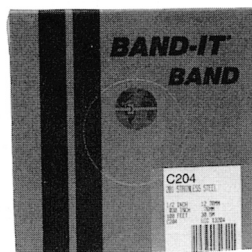
**BAND-IT®**
THE CLAMPING EXPERTS

BAND-IT® offers a complete clamping system to provide clamps that are universally recognized as efficient, easy to apply, and superior in quality. They are designed to secure hoses, pipes, poles, and cables as well as perform scores of other clamping functions.

The items described in this catalog represent primarily those items stocked by APG. Other products in the BAND-IT® Catalog are available by special order. Ask your APG sales representative for complete information.

BAND-IT® Band

Fully rounded smooth edges for safety and easy installation. For clamps of even greater strength, use a double wrap, threading the Ear-Lokt Buckle each time around.



Type 201 Stainless Steel

For high strength and corrosion resistance.
100 ft per roll (30.5M)

Galvanized Carbon Steel

For applications which do not demand high strength or corrosion protection.
100 ft per roll (30.5M).

Part No.	Width		Thickness		Weight	
	Inches	mm	Inches	mm	Lbs	Kg
3BC202	1/4	6.35	.020	.51	1.7	.9
3BC203	3/8	9.53	.025	.63	3.2	1.6
3BC204	1/2	12.70	.030	.76	5.1	2.4
3BC205	5/8	15.88	.030	.76	6.4	3.0
3BC206	3/4	19.05	.030	.76	7.7	3.6

Part No.	Width		Thickness		Weight	
	Inches	mm	Inches	mm	Lbs	Kg
3BC303	3/8	9.53	.025	.63	3.3	1.6
3BC304	1/2	12.70	.030	.76	5.1	2.4
3BC305	5/8	15.88	.030	.76	6.4	3.0
3BC306	3/4	19.05	.030	.76	7.7	3.6

Type 316 Stainless Steel

For use when corrosion is the major problem - moist atmospheres or environments with chemicals, salts, acids or high temperatures. 100 ft per roll (30.5M).

Giant Band

Type 201 stainless steel (Also available in Galvanized carbon steel.) Used for heavy duty clamping applications. 1-1/4" band in 201 stainless steel has a braking strength of 5,500 pounds. Double wrapped clamps recommended for maximum strength. 100 ft roll (30.5M).

Part No.	Width		Thickness		Weight	
	Inches	mm	Inches	mm	Lbs	Kg
3BC402	1/4	6.35	.020	.51	1.7	.9
3BC403	3/8	9.53	.025	.63	3.2	1.6
3BC404	1/2	12.70	.030	.76	5.1	2.4
3BC405	5/8	15.88	.030	.76	6.4	3.0
3BC406	3/4	19.05	.030	.76	7.7	3.6

Shaded area not normally APG stock item. Special Order.

Part No.	Width		Thickness		Weight	
	Inches	mm	Inches	mm	Lbs	Kg
3BG430	3/4	19.05	.044	1.12	11.6	5.4
3BG431	1	25.40	.044	1.12	13.7	6.4
3BG432	1-1/4	31.75	.044	1.12	17.2	8.0

Shaded area not normally APG stock item. Special order.



BAND-IT® Buckles

Ear-Lokt Buckles accommodate single and double warp clamps. Unique teeth and ears provide maximum clamping strength.



Type 201 Stainless Steel

Package Quantity - 100

Part No.	Width		Weight	
	Inches	mm	Lbs	Kg
3BC252	1/4	6.35	.3	.1
3BC253	3/8	9.53	.8	.4
3BC254	1/2	12.70	2.1	1.0
3BC255	5/8	15.88	2.4	1.1
3BC256	3/4	19.05	3.7	1.7

Galvanized Carbon Steel

Package Quantity - 100

Part No.	Width		Weight	
	Inches	mm	Lbs	Kg
3BC353	3/8	9.53	.8	.4
3BC354	1/2	12.70	2.1	1.0
3BC355	5/8	15.88	2.4	1.1
3BC356	3/4	19.05	3.7	1.7

Type 316 Stainless Steel

Package Quantity - 100

Part No.	Width		Weight	
	Inches	mm	Lbs	Kg
3BC452	1/4	6.35	.3	.1
3BC453	3/8	9.53	.8	.4
3BC454	1/2	12.70	2.1	1.0
3BC455	5/8	15.88	2.4	1.1
3BC456	3/4	19.05	3.7	1.7

Shaded areas not normally APG stock item. Special order.

Giant Buckles

Type 201/301 stainless steel.
Package Quantity - 25

Part No.	Width		Weight	
	Inches	mm	Lbs	Kg
3BG440	3/4	19.05	1.8	.8
3BG441	1	25.40	2.4	1.1
3BG442	1-1/4	31.75	3.2	1.4

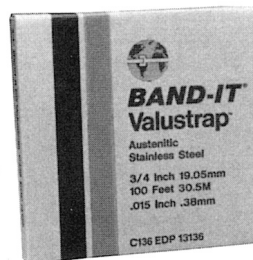
Shaded area not normally APG stock item. Special order.

Valustrap™ and Valuclips™

For light duty jobs such as cable-bundling, mounting small signs or street decorations, or for applying energy saving insulation around pipes or tanks.

Valustrap™

Austenitic, non-magnetic stainless steel. 100 ft rolls (30.5M). Also available by special order in 200 and 300 ft rolls. Thickness - .015" (.38mm).



Valuclicks™

Reinforced with angle ribs for extra strength. Type 304 stainless steel.

Part No.	Width		Weight	
	Inches	mm	Lbs	Kg
3BC133	3/8	9.53	2.2	1.0
3BC134	1/2	12.70	2.9	1.3
3BC135	5/8	15.88	3.6	1.7
3BC136	3/4	19.06	4.4	2.0

Part No.	Width		Weight	
	Inches	mm	Lbs	Kg
3BC153	3/8	9.53	.6	.3
3BC154	1/2	12.70	1.1	.5
3BC155	5/8	15.88	1.2	.5
3BC156	3/4	19.05	2.1	.9

Shaded areas not normally APG stock items. Special Order.

Note: BAND-IT® also offers Valustrap Plus and Valuband for heavy duty applications. Special order.



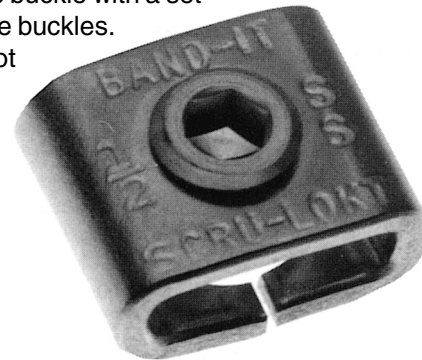
Scru-Lokt™ Buckles

Scru-Lokt Buckles

In this application, BAND-IT® Band is secured in the buckle with a set screw. A hex wrench for this purpose comes with the buckles.

Use Scru-Lokt™ Buckles when close quarters will not permit the roll-over action of the BAND-IT® Tool, or when a temporary or adjustable clamp is desired. Stainless steel. Reusable.

Part No.	Width		Pkg Qty	Weight	
	Inches	mm		Lbs	Kg
3BC720	1/4	6.35	50	.3	.1
3BC722	3/8	9.53	50	.5	.2
3BC724	1/2	12.70	25	.5	.2
3BC725	5/8	15.88	25	.8	.4
3BC726	3/4	19.05	25	.9	.4



Center Punch Clamps

Center Punch Clamps

Available in 201 stainless steel or heat treated galvanized carbon steel. Locked with a T300 or S38 center punch tool, ensuring a strong

powerful lock for reliable and consistent clamping. Both 201 stainless steel and galvanized carbon steel have 201 stainless steel buckles to provide maximum locking strength. Thickness: .025" (.635mm)



Type 201 Stainless Steel Part No.	Galvanized Carbon Steel Part No.	Clamp I.D.		Band Width		Pkg. Qty	Weight	
		Inches	mm	Inches	mm		Lbs.	Kg.
3BCP3S	3BCP3	13/16	20	3/8	9.5	100	3.6	1.6
3BCP311S	3BCP311	1-3/8	35	3/8	9.5	100	4.6	2.1
3BCP4S	3BCP4	1	25	5/8	16	100	8.3	3.8
3BCP5S	3BCP5	1-1/4	32	5/8	16	100	8.7	4.0
3BCP6S	3BCP6	1-1/2	38	5/8	16	100	9.7	4.4
3BCP7S	3BCP7	1-3/4	44	5/8	16	100	10.6	4.8
3BCP8S	3BCP8	2	51	5/8	16	100	11.5	5.2
3BCP9S	3BCP9	2-1/4	57	5/8	16	100	12.6	5.7
3BCP10S	3BCP10	2-1/2	64	5/8	16	50	6.8	3.1
3BCP11S	3BCP11	2-3/4	70	5/8	16	50	7.3	3.3
3BCP12S	3BCP12	3	76	5/8	16	50	7.7	3.5
3BCP14S	3BCP14	3-1/2	89	5/8	16	50	8.7	4.0
3BCP16S	3BCP16	4	102	5/8	16	25	4.9	2.2
3BCP18S	3BCP18	4-1/2	114	5/8	16	25	5.5	2.5
3BCP20S	3BCP20	5	127	5/8	16	25	5.9	2.7
3BCP24S	3BCP24	6	152	5/8	16	25	6.8	3.1
3BCP28S	3BCP28	7	178	5/8	16	25	7.4	3.4
3BCP32S	3BCP32	8	203	5/8	16	25	8.2	3.7

Shaded area not normally APG stock item. Special order.



BAND-IT® Scru-Seal™ Clamps

Scru-Seal™ Clamps

A screw driver is the only tool needed to tension these clamps. 3/8" or 1/2" wide stainless steel band is used single or double wrapped, cut as required from the 100' roll. Scru-Seal™ clamps with slotted hex can be used around objects as small as 2" in diameter. Instructions for use are on the back side of the carton. (See Valustrap Band to order band separately).



All Stainless Part No.	Description	Pkg Qty	Weight	
			Lbs	Kg
3BM210	25 ea. Scru-Seals, racks, 100' (30.3M) 3/8" (9.53mm) Band	1 set	4.3	1.9
3BM211	Scru-Seal seals and racks	10 ea	.7	.3

BAND-IT® Ultra-Lok® Clamps

Ultra-Lok® Clamps

Used with the Band-It® UL9000 Electric Installation Tool.



Clamp I.D.		Type 201-1/4 Stainless Steel Part No.	Pkg Qty	Weight	
Inches	mm			Lbs	Kg
Band Width 3/4" (19.1mm) x Band Thickness .030" (.76mm)					
2	50.8	3BUL227	100	14.9	6.8
2-3/4	69.9	3BUL210	50	9.2	4.2
3	76.2	3BUL211	50	9.7	4.4
3-1/2	88.9	3BUL212	25	10.8	4.9
4	101.6	3BUL213	25	6.1	2.8
4-1/2	114.3	3BUL214	25	6.7	3.0
5	127.0	3BUL215	25	7.2	3.3
5-1/2	139.7	3BUL270	25	7.3	3.3
6	152.4	3BUL216	25	8.2	3.7
6-1/2	165.1	3BUL217	25	10.2	4.6
7	177.8	3BUL218	25	10.6	4.8
8	203.2	3BUL219	25	11.0	5.0
9	228.6	3BUL228	10	5.5	2.5

Shaded area not normally APG stock item. Special order.



Smooth I.D. Clamping Products

Tie-Lok® Ties

Strong, safe, low profile, permanent single wrap ties. Fireproof, resistant to corrosion, UV light and extreme temperatures.



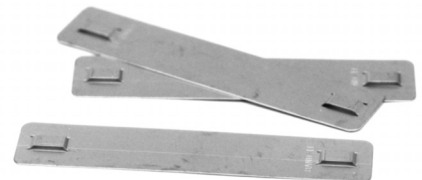
Type 304 Stainless Steel Part No.	Type 316 Stainless Steel Part No.	For Bundle Diameter of		Width		Length		Weight	
		Inches	mm	Inches	mm	Inches	mm	Lbs	Kg
3BAS211	3BAS411	2	51	.25	6.35	10	254	1.2	.54
3BAS212	3BAS412	4	101	.25	6.35	16.5	419	1.8	.86
3BAS213	3BAS413	6	152	.25	6.35	22.5	572	2.6	1.17
3BAS214	3BAS414	8	203	.25	6.35	29	737	3.3	1.50
3BAS215	3BAS415	10	254	.25	6.35	35	889	3.9	1.79

Shaded areas not normally APG stock items. Special order.

I.D. Tagging System

I.D. Tags

Identify your cable bundles or hose assemblies with permanent, Type 304 or Type 316 stainless steel imprinted tags applied with Tie-Lok® Ties.



Type 304 Stainless Steel Part No.	Type 316 Stainless Steel Part No.	Thickness		Width		Length		Weight	
		Inches	mm	Inches	mm	Inches	mm	Inches	mm
3BID100	3BID440	.10	.254	0.75	19.05	2.0	51	0.5	.22
3BID101	3BID441	.15	.381	1.50	38.10	2.5	63	1.2	.55
3BID102	3BID442	.15	.381	0.75	19.05	3.5	89	0.8	.36

Shaded areas not normally APG Stock Items. Special order.

BAND-IT® Totes

BAND-IT® Totes

Handy, waterproof, plastic packaging for BAND-IT® Band. Color-coded for easy identification. Easy to refill from standard cartons. Convenient carrying handle. See-through design shows remaining band. Winding mandrel provides quick, no-waste coiling and recoiling.



Part No.	Description	Weight	
		Lbs	Kg
BAND-IT® Totes (complete with band)			
3BC203Y	3/8" Band in Yellow Tote	3.62	1.6
3BC204B	1/2" Band in Blue Tote	5.56	2.5
3BC205G	5/8" Band in Green Tote	6.85	3.1
3BC206R	3/4" Band in Red Tote	8.16	3.7

1/4" band not available in Totes

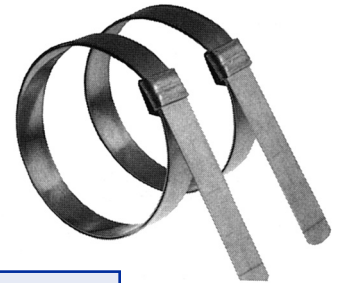
Shaded areas not normally APG stock items. Special order.



BAND-IT Jr.® Clamps

Preformed Clamps

Vibration resistant and requires no hammering or crimping. Automatically locked under full tension in one simple lever movement. Available in Type 201 and 316 stainless steel and galvanized carbon steel in five different widths. Type 201L stainless steel specifically hardened for increased tension requirements is also available.



Clamp I.D.		Type 201 Stainless Steel Part No.	Type 201L Stainless Steel Part No.	Pkg Qty	Weight	
Inches	mm				Lbs	Kg
Band Width 1/4" (6.4mm) x Band Thickness .020" (.51mm)						
3/4	19.1	3BJ240	NA	100	1.9	.9
1	25.4	3BJ242	NA	100	2.1	1.0
1-3/8	34.9	3BJ241	NA	100	2.5	1.1
1-1/2	38.1	3BJ252	NA	100	2.6	1.2
2	50.8	3BJ253	NA	100	3.2	1.5
2-3/4	69.9	3BJ256	NA	100	3.8	1.7
3	76.2	3BJ244	NA	100	4.2	1.9
3-1/2	88.9	3BJ257	NA	100	4.6	2.1
4-1/2	114.3	3BJ259	NA	100	5.7	2.6
Band Width 3/8" (9.5mm) x Band Thickness .025" (.64mm)						
13/16	20.6	3BJ201	NA	100	3.6	1.6
1	25.4	3BJ243	NA	100	3.9	1.8
1-3/8	34.9	3BJ202	NA	100	4.7	2.1
2	50.8	3BJ245	NA	100	5.5	2.5
3	76.2	3BJ246	NA	100	7.5	3.4
3-1/4	82.5	3BJ255	NA	100	8.2	3.7
Band Width 1/2" (12.7mm) x Band Thickness .030" (.76mm)						
1	25.4	3BJ203	NA	100	6.5	3.0
1-1/4	31.8	3BJ204	NA	100	7.2	3.3
1-3/4	44.5	3BJ236	NA	100	8.7	4.0
2-3/4	69.9	3BJ230	NA	100	11.3	5.1
4	101.6	3BJ249	NA	100	14.9	6.8
Band Width 5/8" (15.9mm) x Band Thickness .030" (.76mm)						
1-1/2	38.1	3BJ205	NA	100	10.4	4.7
1-3/4	44.5	3BJ206	NA	100	11.3	5.1
2	50.8	3BJ207	NA	100	12.2	5.5
2-1/4	57.2	3BJ208	NA	100	13.3	6.0
2-1/2	63.5	3BJ209	NA	100	13.9	6.3
Band Width 3/4" (19.1mm) x Band Thickness .030" (.76mm)						
2	50.8	3BJ227	NA	100	14.9	6.8
2-3/4	69.9	3BJ210	3BJH210	50	9.2	4.2
3	76.2	3BJ211	3BJH211	50	9.7	4.4
3-1/2	88.9	3BJ212	3BJH212	50	10.8	4.9
4	101.6	3BJ213	3BJH213	25	6.1	2.8
4-1/2	114.3	3BJ214	3BJH214	25	6.7	3.0
5	127.0	3BJ215	3BJH215	25	7.2	3.3
5-1/4	133.4	3BJ270	NA	25	7.4	3.4
6	152.4	3BJ216	NA	25	8.2	3.7
7	177.8	3BJ218	NA	25	10.21	4.6
8	203.2	3BJ219	NA	25	11.00	5.0

Shaded areas not normally APG stock items. Special order.



Smooth I.D. Clamps

BAND-IT Jr.® Smooth I.D. clamps were developed to prevent leak problems on industrial hose made of stiffer, thinner thermoplastics. Manufactured in a wide variety of widths, sizes, and materials that provide a uniform, gap-free, inside diameter with the same strong holding power of the standard BAND-IT Jr.® clamp. APG normally stocks the Type 201 stainless steel. Type 316 stainless steel and Galvanized Carbon Steel are also available by special order.



Clamp I.D.		Type 201 Stainless Steel Part No.	Pkg Qty	Weight	
Inches	mm			Lbs	Kg
Band Width 1/4" (6.4mm) x Band Thickness .020" (.51mm)					
3/4	19.1	3BJS240	100	2.0	0.9
1	25.4	3BJS242	100	2.1	1.0
1-3/8	34.9	3BJS241	100	2.5	1.1
1-1/2	38.1	3BJS252	100	2.6	1.2
2	50.8	3BJS253	100	3.2	1.5
2-1/2	63.5	3BJS220	100	3.7	1.7
2-3/4	69.9	3BJS256	100	3.8	1.7
3	76.2	3BJS244	100	4.2	1.9
3-1/2	88.9	3BJS257	100	4.6	2.1
4	101.6	3BJS258	100	5.3	2.4
4-1/2	114.3	3BJS259	100	5.7	2.6
Band Width 3/8" (9.5mm) x Band Thickness .025" (.64mm)					
13/16	20.6	3BJS201	100	3.6	1.6
1	25.4	3BJS243	100	3.9	1.8
1-3/8	34.9	3BJS202	100	5.0	2.3
2	50.8	3BJS245	100	5.9	2.7
2-1/2	63.5	3BJS221	100	6.8	3.1
3	76.2	3BJS246	100	7.5	3.4
3-1/4	82.6	3BJS255	100	8.6	3.9
4	101.6	3BJS248	100	9.5	4.3
Band Width 1/2" (12.7mm) x Band Thickness .030" (.76mm)					
1	25.4	3BJS203	100	6.5	3.0
1-1/4	31.8	3BJS204	100	7.2	3.3
1-1/2	38.1	3BJS231	100	8.1	3.7
1-3/4	44.5	3BJS236	100	8.7	4.0
2	50.8	3BJS237	100	9.4	4.3
2-1/2	63.5	3BJS233	100	10.8	4.9
2-3/4	69.9	3BJS230	100	11.3	5.1
3	76.2	3BJS234	100	12.2	5.5
3-1/2	88.9	3BJS247	100	13.6	6.2
4	101.6	3BJS249	100	14.9	6.8
Band Width 5/8" (15.9mm) x Band Thickness .030" (.76mm)					
1-1/2	38.1	3BJS205	100	10.4	4.7
1-3/4	44.5	3BJS206	100	11.3	5.1
2	50.8	3BJS207	100	12.2	5.5
2-1/4	57.2	3BJS208	100	13.3	6.0
2-1/2	63.5	3BJS209	100	13.9	6.3
Band Width 3/4" (19.1mm) x Band Thickness .030" (.76mm)					
2	50.8	3BJS227	100	14.9	6.8
2-3/4	69.9	3BJS210	50	9.2	4.2
3	76.2	3BJS211	50	9.7	4.4
3-1/2	88.9	3BJS212	50	10.8	4.9
4	101.6	3BJS213	25	6.1	2.8
4-1/2	114.3	3BJS214	25	6.7	3.0
5	127.0	3BJS215	25	7.2	3.3
5-1/4	133.4	3BJS270	25	7.3	3.3
6	152.4	3BJS216	25	8.2	3.7
7	177.8	3BJS218	25	10.2	4.6
8	203.2	3BJS219	25	11.0	5.0

Shaded areas not normally APG stock items. Special order.

Note

BAND-IT®

Manufactures

other products not

normally stocked

by APG that are

available by

Special Order.

Please inquire.



BAND-IT Tools

The BAND-IT® Tool

A drop forged tool with tensioning capability of over 2,400 lbs., and a built-in cutter. Features include: spring loader gripper lever for improved band tensioning, friction held cutoff lever with plastic grip for easier operation, permanent lubrication on the tension screw to extend tool life and speed clamping, zinc plated black chromate finish to provide superior corrosion resistance, spin handle retaining ring to keep parts intact. The BAND-IT® Tool is used to apply BAND-IT® Bands and Buckles, strapping, and Free-End clamps.

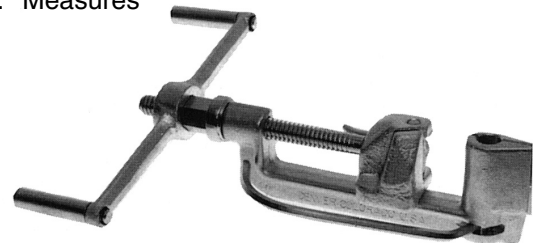
Part No.	Description
3BC001	The BAND-IT® Tool Pkg Qty 1 Weight 4.4 lbs. (2.0 Kg)



Giant Tool

Must be used to apply heavy duty Giant clamps. Measures 16-1/2" in length. Designed to pull up to 6,000 lbs.

Part No.	Description
3BG402	Giant Tool Pkg Qty 1 Weight 11.7 lbs. (5.3 Kg)



The Jr.® Tool

Used to apply BAND-IT Jr.® Preformed Clamps and BAND-IT Jr.® Smooth I.D. Clamps.

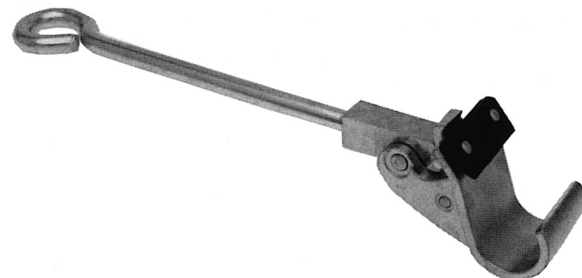
Part No.	Description
3BC002	The Jr.® Tool Pkg Qty 1 Weight 5.7 lbs (2.6 Kg)



Jr. Adapter

Use with the BAND-IT® Tool for Jr. Preformed and Smooth I.D. Clamps.

Part No.	Description
3BJ001	Jr. Adapter Pkg Qty 1 Weight 1.4 lbs (.6 Kg)

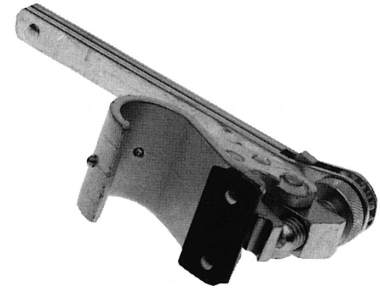




Heavy Duty Jr. Adapter

Use with the BAND-IT® Tool for Jr. Preformed and Smooth I.D. Clamps. Also for use in portable applications.

Part No.	Description
3BJ050	Heavy Duty Jr. Adapter Pkg Qty 1 Weight 1.7 lbs (.8 Kg)



Bantam Tool C075

Designed for use in light duty banding applications: such as insulation, cable bundling, and sign hanging. Compact, lightweight, ratchet action tool with a built-in cutter. Designed for easy loading and removing of material. Zinc plated for corrosion resistance. Tension release levers for situations requiring repositioning of the band after tensioning has begun. With the unique 3-way handle, the Bantam Tool can be used in the pistol grip position for one-handed, or in the other positions for two-handed tensioning. It is especially useful in tight areas with minimal access such as in cable bundling aboard ships.

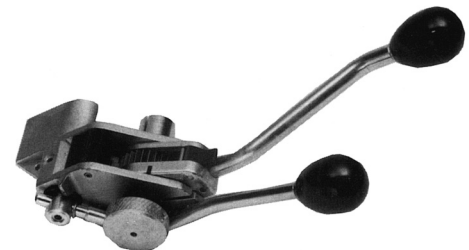
Part No.	Description
3BC075	Bantam Tool C075 Pkg Qty 1 Weight 2.6 lbs (1.2 Kg)



Bantam Strapping Tool C085

A less expensive strapping tool for light duty strapping applications on flat surfaces with minimal access. Designed for quick take-up and tensioning. Self-contained, requiring no extra tools to complete the clamp.

Part No.	Description
3BC085	Bantam Strapping Tool C085 Pkg Qty 1 Weight 2.3 lbs (1.0 Kg)



Pok-It II Tool

Lightweight pocket size tool for use with 1/4" - 3/8" width band, for Ear-Lokt, Scru-Lokt, BAND-IT Jr.® preformed Clamps, and Free-End Clamps. Applies tension and has a built-in cutter.

Part No.	Description
3BJ020	Pok-It II Tool Pkg Qty 1 Weight 1.1 lbs (.5 Kg)

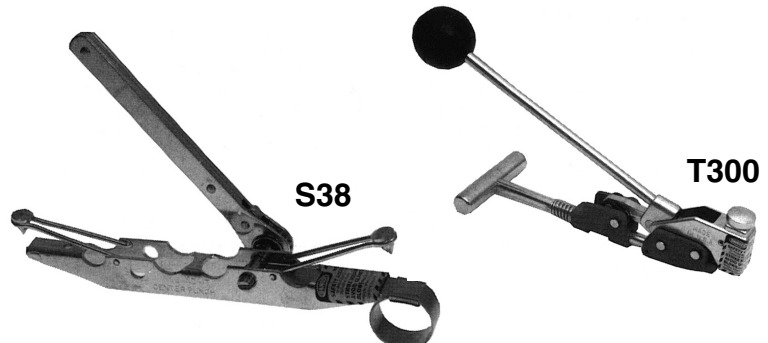




Center Punch Tools

Ratchet action tensioning tools for applying Center Punch and Center Punch Open-End Clamps with a center punch lock.

Part No.	Description
3BT300	For 5/8" Wide Clamps Pkg Qty 1 Weight 3.15 lbs (1.5 Kg)
3BS38	For 3/8" and 5/8" Wide Clamps Pkg Qty 1 Weight 1.1 lbs (.5 Kg)



Ultra-Lok® Band Clamping System

The fully portable and powerful UL9000 is used to apply the patented Smooth I.D. Ultra-Lok® Clamps. Features include: speed/torque control on tool for consistent repeatability on hose couplings, impact/drill selector, actuator switch, preset torque indicator light, .094 thick buckle and .030 thick 1/4" hard band provides extra strength and reliability, and a greater clamping force - 2-3 times stronger than conventional clamps. Patented Ultra-Lok® Buckles can also be used with BAND-IT® 3/4" stainless steel.

Part No.	Description
3BUL9000	Applies Ultra-Lok® Band Clamps Pkg Qty 1 Weight 18.3 lbs (8.4 Kg)

Not normally an APG stock item. Special order.



Tie-Lok II Tool®

A patented, lightweight, pocket size hand tool which quickly and easily applies smooth I.D. Tie-Lok Ties.

Part No.	Description
3BA920	Tie-Lok II Pkg Qty 1 Weight .94 lbs (.43 Kg)



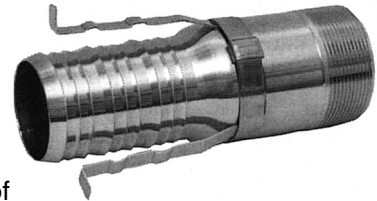


BAND-IT® Hose Nipples

Tri-Lokt® Hose Nipples

For heavy duty industrial hose applications including single and double wire braid hose.

Used when a positive lock is required between the clamp and the nipple. The locking yoke or tie strip assembly together with the BAND-IT® clamp accommodates the various wall thicknesses of different types of hoses. Features include: an end knob to provide excellent holding strength, a unique yoke or tie strip assembly which is clamped to the hose to provide a secure lock, and the end tabs of the yoke or tie strip assembly which provide an additional lock by bending them 90° over the first clamp and applying a second clamp over them. Descriptions listed below are for plated carbon steel - NPT. Type 316 Stainless Steel is also available by special order. Nipples complete with tie strip.

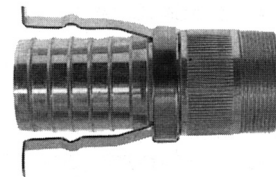


Part No.	Hose I.D.		NPT Inches	Shank Length		No. of Clamps Per Nipple	Pkg Qty	Weight	
	Inches	mm		Inches	mm			Lbs	Kg
3BH106	1/4	6.35	1/4	1.06	26.9	2	12	1.4	.6
3BH112	3/8	9.53	3/8	1.06	26.9	2	12	2.0	.9
3BH120	1/2	12.70	3/8	1.25	31.8	2	12	3.0	1.4
3BH122	1/2	12.70	1/2	1.25	31.8	2	12	3.0	1.4
3BH132	3/4	19.05	1/2	1.50	38.1	2	12	6.3	2.9
3BH134	3/4	19.05	3/4	1.50	38.1	2	12	4.8	2.2
3BH140	1	25.40	1	1.50	38.1	2	12	7.8	3.5
3BH600	1-1/4	31.75	1-1/4	2.75	69.9	4	1	1.2	.6
3BH610	1-1/2	38.10	1-1/2	2.75	69.9	4	1	1.4	.7
3BH620	2	50.8	2	2.75	69.9	4	1	2.1	1.0
3BH630	2-1/2	63.5	2-1/2	4.50	114.3	6	1	3.8	1.7
3BH640	3	76.2	3	4.50	114.3	6	1	5.0	2.3
3BH650	4	101.6	4	4.50	114.5	6	1	6.8	3.1
3BH656	5	127.0	5	6.50	165.1	8	1	11.4	5.2
3BH658	6	152.4	6	8.00	203.2	10	1	16.9	7.7

Shaded areas not normally APG stock items. Special order.

Full Flow Hose Nipples

For concrete placement hose, plaster spray, grouting hose, and other applications needing full flow and reduced abrasion within the nipple. Heat treated for longer life. Complete with tie strip.



Part No.	Hose I.D.		End	No. Clamps Per Fitting		Weight	
	Inches	mm		Ear-Lokt Double Wrapped	Giant Double Wrapped	Lbs	Kg
3BH750	1-1/2	38.1	NPT	4	—	1.3	.6
3BH755	2	50.8	Grooved	4	—	1.3	.6
3BH757	2	50.8	NPT	4	—	1.7	.8

Shaded areas not normally APG stock items. Special order.



APG Worm Gear Clamps

All Stainless Steel

3WGA 3WGB

APG Worm Gear Clamps offer an extremely cost effective alternative for a variety of reasons. First — they offer All Stainless Steel construction at a price that is cheaper than most competitive brands with carbon steel components. Second — APG market research determined that sales of worm gear clamps with 1/2" widths were predominately in the smaller diameter sizes, and sales of clamps with 9/16" widths were predominately in the larger diameter sizes. Consequently, as can be seen in the chart below, APG smaller diameter clamps have 1/2" widths, and larger diameter clamps have 9/16" widths. Additionally, the 9/16" clamps have a minimum range of 2-1/2". This allows these clamps to be utilized in ranges that overlap with 1/2" clamps (as can be seen in the highlighted portion of the chart). Hence, the end user has the ability to select a width of 1/2" or 9/16" in this mid-range. These factors combine to eliminate the need for an inventory that includes clamps with carbon steel components as well as clamps that are stainless steel (stainless being preferable if the price is right). Also, the need for an inventory that includes clamps with widths of both 1/2" and 9/16". This allows an inventory with one worm gear clamp style as opposed to four styles. All clamps are stamped with the range in both millimeters and includes, the APG part number, and the APG logo.

APG Worm Gear Clamps			
Screw: 5/16" Hex Head; 304 Stainless Steel			
Band and Housing: 304 Stainless Steel			
Band Width: 3WGA Series 1/2" — 3WGB Series 9/16"			
Part Number	Band Width	Range	
		(mm)	(Inches)
3WGA06	1/2"	10 - 22	3/8 - 7/8
3WGA08	1/2"	11 - 25	7/16 - 1
3WGA10	1/2"	13 - 27	1/2 - 1-1/16
3WGA12	1/2"	13 - 32	1/2 - 1-1/4
3WGA16	1/2"	19 - 38	3/4 - 1-1/2
3WGA20	1/2"	19 - 44	3/4 - 1-3/4
3WGA24	1/2"	25 - 50	1 - 2
3WGA28	1/2"	32 - 57	1-1/4 - 2-1/4
3WGA32	1/2"	38 - 64	1-1/2 - 2-1/2
3WGA36	1/2"	22 - 70	7/8 - 2-3/4
3WGA40	1/2"	29 - 76	1-1/8 - 3
3WGA44	1/2"	35 - 82	1-3/8 - 3-1/4
3WGA48	1/2"	41 - 89	1-5/8 - 3-1/2
3WGA52	1/2"	48 - 95	1-7/8 - 3-3/4
3WGA56	1/2"	54 - 102	2-1/8 - 4
3WGA64	1/2"	67 - 114	2-5/8 - 4-1/2
3WGA72	1/2"	79 - 127	3-1/8 - 5
3WGA80	1/2"	92 - 140	3-5/8 - 5-1/2
3WGA88	1/2"	108 - 152	4-1/4 - 6
3WGA96	1/2"	121 - 165	4-3/4 - 6-1/2
3WGA104	1/2"	102 - 178	4 - 7
3WGB128	9/16"	64 - 216	2-1/2 - 8-1/2
3WGB140	9/16"	64 - 235	2-1/2 - 9-1/4
3WGB152	9/16"	64 - 254	2-1/2 - 10
3WGB164	9/16"	64 - 273	2-1/2 - 10-3/4
3WGB176	9/16"	64 - 292	2-1/2 - 11-1/2
3WGB188	9/16"	64 - 311	2-1/2 - 12-1/4





IDEAL Clamps

IDEAL manufactures a broad line of standard worm drive and specialty hose clamps designed to satisfy a wide range of fastening applications. All or part stainless steel construction is offered. Full size worm drive clamps have a 9/16" band which provides 12-1/2% more sealing surface than conventional 1/2" bands. Clamps are available with 1/4", 5/16", or 3/8" hex-head and safety collared screws, in stainless or zinc-plated, dichromated, carbon steel. The completely mechanical design locks the one piece housing directly to the band using the full strength of the material to provide maximum anti-shear protection. There are no spot welds to rupture under stress or corrosion, and a one piece housing cannot come apart under high loading.

Full Size Worm Gear Clamps

Hy-Gear The industry standard. Wide range of applications, from simple home and auto repair to heavy duty industrial applications.

 Hy-Gear 50 Series	 Hy-Gear 63 Series	 Hy-Gear 64 Series	 Hy-Gear 68 Series
IDEAL's most popular full size clamp. Screw: 5/16" hex-head. Zinc plated, yellow dichromate, carbon steel. Band and housing: 9/16" wide. Stainless steel.	A marine grade clamp for boating applications and other corrosive environments. High nickel alloy meets the demands of inground and marine use. Screw: 5/16" hex-head. Corrosion resistant 300 grade stainless steel. Band and housing: 9/16" wide. 300 grade stainless steel.	All stainless steel construction especially suited to industrial applications. Screw: 3/8" hex-head. 410 grade stainless steel. Band and housing: 9/16" wide. 300 grade stainless steel.	All stainless steel construction especially suited to industrial applications. Screw: 5/16" hex-head. 410 grade stainless steel. Band and housing 9/16" wide. 300 grade stainless steel.

Combo-Hex The choice of professional mechanics. Particularly helpful in hard to reach areas. An exclusive safety collared deep slotted screw design prevents screw drivers from slipping and puncturing the hose wall. Can be installed with a screw driver, nut driver, or socket wrench.

 Combo-Hex 54 Series	Screw: 3/8" safety collared hex-head. Zinc plated yellow dichromate, carbon steel. Band and housing: 9/16" wide. Stainless steel.
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Ideal Part No.*					Clamp Diameters				SAE Size No.	Fits Hose I.D. (Inches)
50 Series	54 Series	63 Series	64 Series	68 Series	Inches		Millimeters			
					Min	Max	Min	Max		
5006	5406	6306	6406	6806	3/8	7/8	10	22	6	5/16 to 3/8
5008	5408	6308	6408	6808	7/16	1	11	25	8	5/16 x 1/2
5010	5410	6310	6410	6810	1/2	1-1/16	13	27	10	3/8 x 5/8
5012	5412	6312	6412	6812	1/2	1-1/4	13	32	12	3/8 to 3/4
5016	5416	6316	6416	6816	3/4	1-1/2	19	38	16	3/4 to 7/8
5020	5420	6320	6420	6820	3/4	1-3/4	19	44	20	3/4 to 1-1/8
5024	5424	6324	6424	6824	1	2	26	50	24	7/8 to 1-3/8
5028	5428	6328	6428	6828	1-5/16	2-1/4	34	57	28	1-1/4 to 1-5/8
5032	5432	6332	6432	6832	1-9/16	2-1/2	40	64	32	1-1/2 to 1-7/8
5036	5436	6336	6436	6836	7/8	2-3/4	23	70	36	3/4 to 2
5040	5440	6340	6440	6840	1-1/8	3	29	76	40	1 to 2-1/4
5044	5444	6344	6444	6844	1-5/16	3-1/4	34	82	44	1-1/4 to 2-1/2
5048	5448	6348	6448	6848	1-5/8	3-1/2	42	90	48	1-1/2 to 2-3/4
5052	5452	6352	6452	6852	1-7/8	3-3/4	48	95	52	1-3/4 to 3
5056	5456	6356	6456	6856	2-1/8	4	54	100	56	2 to 3
5064	—	6364	6464	6864	2-5/8	4-1/2	67	114	64	2-1/2 to 3-1/2
5072	—	6372	6472	6872	3-1/8	5	80	127	72	3 to 4
5080	—	6380	6480	6880	3-5/8	5-1/2	92	140	80	3-1/2 to 4-1/2
5088	—	6388	6488	6888	4-1/4	6	108	153	88	3-1/2 to 5-1/2
5096	—	6396	6496	6896	4-3/4	6-1/2	121	165	96	4-1/2 to 6
50104	—	63104	64104	68104	5	7	102	178	104	3-1/2 to 6-1/2
—	—	—	—	68116	5-7/8	7-3/4	149	197	116	5-1/2 to 7-1/4
—	—	63128	—	—	2-1/2	8-1/2	64	216	128	2 to 7-1/2
—	—	63140	—	—	2-1/2	9-1/4	64	235	140	2 to 8-3/4
—	—	63152	—	—	2-1/2	10	64	254	152	2 to 9-1/2
—	—	63164	—	—	2-1/2	10-3/4	64	273	164	2 to 10
—	—	63176	—	—	2-1/2	11-1/2	64	292	176	2 min.
—	—	63188	—	—	2-1/2	12-1/4	64	311	188	2 min.
—	—	63208	—	—	2-1/2	13-1/4	64	337	208	2 min.
—	—	63224	—	—	2-1/2	14-1/2	64	368	224	2 min.
—	—	63263	—	—	2-1/2	15-1/4	64	387	236	2 min.
—	—	63248	—	—	2-1/2	16	64	406	248	2 min.

* Add "3I" prefix for APG part number. Shaded areas not normally APG stock items. Special order.



Small Diameter Clamps

Micro-Gear

Tiny, tough, and precision engineered for use in small hose applications. The 5/16" band and low profile housing makes them easy to install in confined areas.

 Micro-Gear 62P Series Screw: 1/4" hex head. Zinc-plated, yellow dichromate, carbon steel. Band and housing: 5/16" stainless steel	 Micro-Gear 64M Series Screw: 1/4" hex-head. 300 Series marine grade stainless steel. Band and housing: 5/16" 300 Series marine grade stainless steel.
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IDEAL Part Nos. *		Clamp Diameters				SAE Size No.	Fits Hose I.D. (Inches)
62P Series	62M Series	Inches		Millimeters			
		Min.	Max.	Min.	Max.		
6202	62602	1/4	5/8	6	16	4	1/8 to 5/16
6203	62606	5/16	7/8	8	22	6	1/4 to 7/16
62P08	62M08	1/2	1	12	25	8	5/16 to 1/2
62P12	62M12	5/8	1-1/4	16	32	12	5/8 to 3/4
62P16	62M16	5/8	1-1/2	16	38	16	3/4 to 1
62P20	62M20	3/4	1-3/4	19	45	20	1 to 1-1/4
62P24	62M24	1	2	25	50	24	7/8 to 1-3/8
62P30	62M30	1-3/8	2-3/8	35	60	30	1-1/4 to 1-7/8
62P36	62M36	1-3/4	2-3/4	45	70	36	1-1/2 to 2
62P44	62M44	2-1/4	3-1/4	58	82	44	1-5/8 to 2-1/2
62P48	62M48	2-1/2	3-1/2	64	90	48	1-7/8 to 2-3/4
62P56	62M56	3	4	77	100	56	2-1/4 to 3

Add "3I" prefix for APG part numbers. Shaded areas not normally APG stock items. Special order.

1/2" Band Clamps

1/2" Band

Suitable for most common home and automotive applications.

 57 Series Screw: 5/16" hex-head. Zinc plated, yellow dichromate, carbon steel. Band and housing: 1/2" stainless steel.	 67-1 Series Screw: 5/16" hex-head. 410 grade stainless steel. Band and housing: 1/2" stainless steel.
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IDEAL Part Nos. *		Clamp Diameters				SAE Size No.	Fits Hose I.D. (Inches)
57 Series	67-1 Series	Inches		Millimeters			
		Min.	Max.	Min.	Max.		
5706	6706-1	3/8	7/8	10	22	6	5/16 to 3/8
5708	6708-1	7/16	1	11	25	8	5/16 to 1/2
5710	6710-1	1/2	1-1/16	13	27	10	3/8 to 5/8
5712	6712-1	1/2	1-1/4	13	32	12	3/8 to 3/4
5716	6716-1	3/4	1-1/2	19	38	16	3/4 to 7/8
5720	6720-1	3/4	1-3/4	19	44	20	3/4 to 1-1/8
5724	6724-1	1	2	26	50	24	7/8 to 1-3/8
5728	6728-1	1-5/16	2-1/4	34	57	28	1-1/4 to 1-5/8
5732	6732-1	1-9/16	2-1/2	40	64	32	1-1/2 to 1-7/8
5736	6736-1	7/8	2-3/4	23	70	36	3/4 to 2
5740	6740-1	1-1/8	3	29	76	40	1 to 2-1/4
5744	6744-1	1-5/16	3-1/4	34	82	44	1-1/4 to 2-1/2
5748	6748-1	1-5/8	3-1/2	42	90	48	1-1/2 to 2-3/4
5752	6752-1	1-7/8	3-3/4	48	95	52	1-1/4 to 3
5756	6756-1	2-1/8	4	54	100	56	2 to 3-1/2
5764	6764-1	2-5/8	4-1/2	67	114	64	2-1/2 to 4
5772	6772-1	3-1/8	5	80	127	72	3 to 4-1/2
5780	6780-1	3-5/8	5-1/2	92	140	80	3-1/2 to 5
5788	6788-1	4-1/4	6	108	152	88	3-1/2 to 5-1/2
5796	6796-1	4-3/4	6-1/2	121	165	96	4-1/2 to 6
57104	67104-1	4	7	102	178	104	3-1/2 to 6-1/2

Add "3I" prefix for APG numbers.



Quick Release Clamps

Snaplock

For installation in "closed" systems where the clamp must be disengaged to be applied. The swivel-action locking of screw to band make both installation and removal fast and easy.

 Snaplock 56 Series	 Snaplock 58 Series
Screw: 5/16" hex-head. Zinc plated, yellow dichromate, carbon steel. Band and housing: 9/16" stainless steel. Bridge: Zinc plated, yellow dichromate, carbon steel.	Screw: 3/8" hex-head. 410 grade stainless steel. Band and housing: 9/16" stainless steel. Bridge: Stainless steel.

IDEAL Part Nos. *		ClampDiameters				SAE Size No.	Fits Hose I.D. (Inches)
56 Series	58 Series	Inches		Millimeters			
		Min.	Max.	Min.	Max.		
5612	5812	1/2	1-1/4	13	32	12	3/8 to 3/4
5620	5820	3/4	1-3/4	19	44	20	3/4 to 1-1/8
—	5824	1	2	26	50	24	7/8 to 1-1/2
5628	5828	1	2-1/4	26	57	28	7/8 to 1-5/8
5636	5836	7/8	2-3/4	23	70	36	3/4 to 2
5648	5848	1-5/8	3-1/2	42	90	48	1-1/2 to 2-3/4
5656	5856	1	4	26	100	56	7/8 to 3
5672	5872	2	5	51	130	72	1-1/2 to 4
5688	5888	2	6	51	152	88	1-1/2 to 5
56104	58104	2	7	51	176	104	1-1/2 to 6
56116	58116	2	7-3/4	51	197	116	1-1/2 to 6-3/4
56128	58128	2-5/16	8-1/2	60	215	128	1-3/4 to 8-1/2
56152	58152	2-5/16	10	60	254	152	1-3/4 to 9-1/2
56188	58188	2-5/16	12	60	311	188	1-3/4 to 11-1/2

Add "3I" prefix for APG part numbers.

Lined Clamps

Specifically designed for use with silicone rubber and other soft hose applications. The extended band or liner protects the hose surface and prevents it from extruding or shearing through the band notches as the clamp is tightened.

 Marine Grade Lined Clamp 67 M Series	All 316 stainless steel construction. Offers superior corrosion resistance. Screw: 5/16" hex-head. Band, liner, and housing: 1/2" wide.
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IDEAL Part Nos. *	ClampDiameters				SAE Size No.	Fits Hose I.D. (Inches)
Marine Grade Lined Clamp	Inches		Millimeters			
	Min.	Max.	Min.	Max.		
6708M	1/2	1	14	26	8	1/2
6710M	11/16	1-1/8	17	29	10	5/8
6712M	11/16	1-1/4	17	32	12	3/4
6716M	3/4	1-1/2	20	38	16	7/8
6720M	13/16	1-3/4	21	45	20	5/8 to 1-1/8
6724M	1-1/16	2	27	51	24	7/8 to 1-3/8
6728M	1-1/4	2-1/4	33	57	28	1-1/4 to 1-5/8
6732M	1-9/16	2-1/2	39	64	32	1-1/2 to 1-7/8
6736M	1-13/16	2-3/4	46	70	36	1-5/8 to 2
6740M	2-1/16	3	52	76	40	2 to 2-1/4
6744M	2-5/16	3-1/4	58	83	44	2-1/4 to 2-1/2
6748M	2-9/16	3-1/2	65	90	48	2-1/2 to 2-3/4
6752M	2-13/16	3-3/4	71	95	52	2-3/4 to 3
6756M	3-1/16	4	78	102	56	3
6760M	3-5/16	4-1/4	84	108	60	3-1/4
6764M	3-9/16	4-1/2	90	114	64	3-1/2
6772M	4-1/16	5	103	127	72	4
6788M	5-1/16	6	128	152	88	5
6796M	5-9/16	6-1/2	141	165	96	6

Add "3I" prefix for APG numbers.



High Performance Worm Drive Clamps

POW'R GEAR

Premium POW'R-GEAR clamps are designed for high vibration and stubborn leakage applications such as industrial machinery, heavy truck, farm, and off-road equipment engines. They feature an extra wide 5/8" band and a wide profile housing that provides maximum engagement of screw threads to band and are engineered to deliver exceptionally high rates of band tension to handle even the toughest sealing jobs, including wire reinforced spiral wound hose.



**POW'R-GEAR
60 Series**

The premier clamp in the industry.
Screw: 5/16" hex-head.
410 grade stainless steel.
Band: 5/8" wide .027 in. thick.
304 grade stainless steel.
Housing and saddle: 5/8" wide.
.060 in. thick. 304 grade
stainless steel.
304 grade stainless steel.



**POW'R GEAR Lined
6L Series**

For maximum protection of soft hoses.
Protective liner prevents extrusion and
shearing of hose through band notches.
Extended band design prevents liner
from skewing during installation.
Screw: 5/16" hex-head.
410 grade stainless steel.
Band-liner: 5/8" wide .027 in. thick.
304 grade stainless steel.
Housing and saddle: 5/8" wide. .060 in.
thick. 304 grade stainless steel.



**POW'R GEAR Extended Range
6X Series**

Extra band notches allow greater open
and closed working diameters. Only four
sizes cover clamping diameters from
1-1/4" to 9-1/8". Minimizes inventory
investment without compromising
application coverage.
Screw: 5/16" hex-head.
410 grade stainless steel.
Band: 5/8" wide .027 in. thick.
304 grade stainless steel.
Housing and saddle: 5/8" wide. .060 in.
thick, 304 grade stainless steel.

Note: The POW'R GEAR Extended Range Series is stocked by APG.

The POW'R GEAR and POW'R GEAR Lined Series are not normal stock items. Special order.

IDEAL Part Nos. *		Clamp Diameters			
POW'R-GEAR	POW'R GEAR Lined	Inches		Millimeters	
		Min.	Max.	Min.	Max.
60175	6L175	1	1-3/4	25	45
60200	6L200	1-1/4	2-1/8	32	54
60250	6L250	1-3/4	2-5/8	46	67
60300	6L300	2-1/4	3-1/8	57	79
60350	6L350	2-3/4	3-5/8	70	92
60400	6L400	3-1/4	4-1/8	83	105
60450	6L450	3-3/4	4-5/8	95	118
60500	6L500	4-1/4	5-1/8	108	130
60550	6L550	4-3/4	5-5/8	121	143
60600	6L600	5-1/4	6-1/8	133	156
60650	6L650	5-3/4	6-5/8	146	168
60700	6L700	6-1/4	7-1/8	159	181
60750	6L750	6-3/4	7-5/8	172	194
60800	6L800	7-1/4	8-1/8	184	206
60850	6L850	7-3/4	8-5/8	197	219
60900	6L900	8-1/4	9-1/8	210	232

Shaded areas not normally APG Stock items. Special order.

IDEAL Part Nos. *		Clamp Diameters			
POW'R-GEAR Extended Range		Inches		Millimeters	
		Min.	Max.	Min.	Max.
6X200		1-1/4	2-5/8	32	67
6X300		2-1/8	4-1/8	54	105
6X400		4	6-1/8	102	156
6X500		6-1/8	9-1/8	156	232

*Add "3I" prefix for American Packing part numbers.

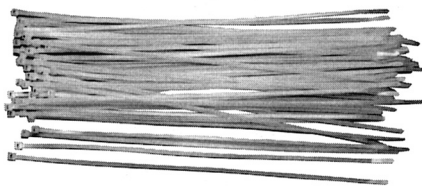
Questions?
Just ask. We can help!



Cable Ties

Nylon Cable Ties

One piece 6/6 nylon for tying, bundling, and positioning in industrial, PHAC, automotive, and marine applications. Corrosion and fungus resistant.



665 Series

Self locking.
Install easily with or without tools.
Corrosion resistant, fungus resistant.
Tapered tips slip easily under and around cables.
Flexible nylon conforms readily to most shapes.
Uniform serrations along the length of the tie permit easy "pull through" right down to the bundle - ready for final tensioning and cut off for a neat, tight harness.

IDEAL Part Nos.* 665 Series	Min.	Max.	Length	Min. Tensile Strength	Applicable Mil. Spec.
66501	1/16	7/8	4	18 lbs.	MS3667-4
66502	1/16	1-1/4	6	30 lbs.	MS3367-5
66505	1/16	1-3/4	8	50 lbs.	MS3367-1
66506	1/16	3	11-3/4	50 lbs.	MS3367-7
66507	1/16	4	15-1/2	50 lbs.	MS3367-2
66509	3/16	4	15-1/4	120 lbs.	MS3367-3
66510	3/16	6	21	175 lbs.	MS3367-3
66511	3/16	9	32	175 lbs.	MS3367-6
66512	3/16	13	42	175 lbs.	-

*Add "3I" prefix for APG part numbers.

Note

IDEAL manufactures other specialty clamps not normally stocked by APG that are available by Special Order. Please inquire.

Complete IDEAL product information is available on request.

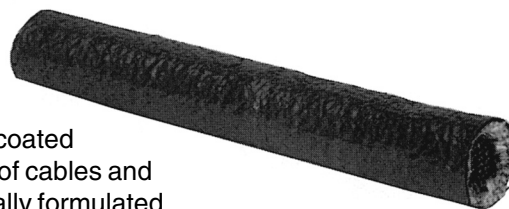


Protective Sleeving

Bentley-Harris Fyrejacket®

Non-asbestos sleeving used to protect hoses and hose assemblies, tubing, piping, wires, wire assemblies, and cables from exposure up to 500°F and from molten splash. Fiberglass coated

with specially compounded silicone rubber. Slides easily over all types of cables and hoses and expands readily to go over fittings and couplings. The specially formulated silicone rubber coating has excellent shedding properties and is highly resistant to a wide range of solvents and fuels.



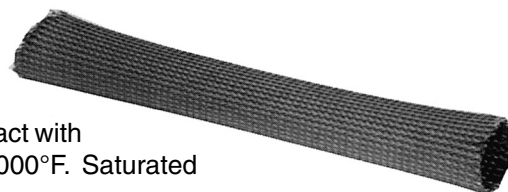
Nominal Size I.D.	American Packing Part Number*	Nominal Size I.D.	American Packing Part Number*	Nominal Size I.D.	American Packing Part Number*
1/4"	—	1"	3HFJ16	2-1/2"	—
5/16"	3HFJ05	1-1/8"	3HFJ18	2-5/8"	—
3/8"	—	1-1/4"	3HFJ20	2-3/4"	—
7/16"	3HFJ07	1-3/8"	—	2-7/8"	—
1/2"	3HFJ08	1-1/2"	3HFJ24	3"	—
9/16"	—	1-5/8"	—	3-1/8"	—
5/8"	—	1-3/4"	3HFJ28	3-1/4"	—
11/16"	—	1-7/8"	—	3-1/2"	—
3/4"	3HFJ12	2"	3HFJ32	3-3/4"	—
13/16"	—	2-1/8"	—	4"	—
7/8"	—	2-1/4"	—	—	—
15/16"	—	2-3/8"	—	—	—

*Part numbers shown for normally stock sizes. Others available by special order.

Bentley-Harris Thermojacket® S

Provides excellent long-term heat protection for hoses, wire harnesses, and cables. Also protects against flame burst and molten splash, and shields workers from painful contact with

hot or cold lines. Braided fiberglass with long-term heat protection up to 1000°F. Saturated to add firmness and reduce fray. Improved resistance to abrasion and flex.



Size	American Packing Part Number*	Approx. Footage Needed to Cover 100 Feet	Size	American Packing Part Number*	Approx. Footage Needed to Cover 100 Feet
1/4"	3HTJS4	100	1-3/4"	3HTJS22	111
3/8"	3HTJS6	100	2"	3HTJS22	117
1/2"	3HTJS6	100	2-1/4"	3HTJS22	128
5/8"	3HTJS10	100	2-1/2"	3HTJS44	104
3/4"	3HTJS10	115	2-3/4"	3HTJS44	109
7/8"	3HTJS10	140	3"	3HTJS44	116
1"	—	102	3-1/4"	3HTJS44	119
1-1/4"	—	108	3-1/2"	3HTJS44	128
1-3/8"	3HTJS22	100	3-3/4"	3HTJS44	139
1-1/2"	3HTJS22	106	4"	3HTJS44	151

*Part numbers shown for normally stock sizes. Others available by special order.

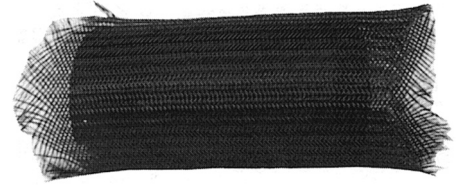


Bentley-Harris Super Skuf-Jacket™

Highly flexible, expandable sleeving that is lightweight and rugged. Will expand to three times original diameter which allows one size to fit many applications. The

open weave construction permits drainage and prevents condensation. Provides mechanical protection for various hoses, wire harnesses, and other critical components requiring maximum abrasion protection. Dual monofilament construction with nylon monofilament guard strands blended with PET/Polyester support strands. This provides flexibility, expandability, abrasion resistance, and self-recovery.

Temperature range: -70° to 125°C. Black color (Clear available by special order).



Nominal Size	American Packing Part Number*	Fits Diameter Range (Inches)	Weight (lbs/100 ft)	Feet Per Spool
1/4"	—	1/8" - 1/2"	0.3	1,000
3/8"	—	1/4" - 1/2"	0.7	500
1/2"	—	1/4" - 7/8"	1.0	500
3/4"	3HSS12	1/2" - 1-1/4"	1.4	500
1"	3HSS16	5/8" - 2"	1.8	500
1-1/4"	—	3/4" - 2-1/4"	1.9	250
1-1/2"	3HSS24	7/8" - 2-1/2"	2.5	250
2"	3HSS32	1-1/8" - 3"	3.2	250

*Part numbers shown for normally stocked sizes. Others available by special order.



“America’s Most Responsive Warehouse”



Material Recommendations

Fluid	Alum- inum	Cast Brass	Forged Brass	Ductile Iron	Stainless Steel	Polypro- pylene	Gasket
ACETIC ACID	X	-	-	-	X	X	BENTV
ACETIC ANHYDRIDE	X	-	-	-	X	X	BNT
ACETONE	X	-	-	X	X	X	BET
ACETYLENE-DRY	X	-	-	X	X	-	BENTV
AGRICULTURAL LIME SOLUTIONS	-	-	-	X	X	X	B
AIR	X	X	X	X	X	X	B
ALCOHOL - AMYL	-	X	X	X	X	X	BENTV
ALCOHOL - BUTYL	X	X	X	X	X	X	BETV
ALCOHOL - ETHYL	-	X	X	X	X	X	BENTV
ALCOHOL - ISOPROPYL	X	X	X	X	X	X	BETV
ALCOHOL - METHYL	-	X	X	X	X	X	BENT
ALUMINUM CHLORIDE	-	-	-	-	-	X	BENTV
ALUMINUM FLUORIDE, 20%	X	X	X	-	-	-	BENTV
ALUMINUM NITRATE	-	-	-	-	X	X	BENTV
ALUMINUM POTASSIUM SULFATE	X	-	-	-	X	X	BENTV
ALUMINUM SULFATE	-	-	-	-	X	X	BENTV
AMMONIA, ANHYDROUS (DRY)	X	-	-	-	X	X	BENT
AMMONIA, SOLUTIONS	X	-	-	-	X	X	BN
AMMONIUM CHLORIDE - DRY	-	-	-	-	-	X	BENTV
AMMONIUM HYDROXIDE	X	-	-	-	X	X	BENTV
AMMONIUM NITRATE	X	-	-	X	X	X	BENT
AMMONIUM PHOSPHATE	-	-	-	-	X	X	BENTV
MONO - BASIC	-	-	-	-	X	X	B
DI-BASIC OR TRI-BASIC	X	-	-	-	X	X	B
AMMONIUM SULFATE	-	-	-	X	X	X	BENTV
ANILINE	-	-	-	-	X	X	ETV
ARSENIC ACID	-	-	-	-	X	X	BENTV
ASPHALT	-	X	X	X	X	-	TV
BARIUM CHLORIDE	-	-	-	-	X	X	BENTV
BARIUM HYDROXIDE	-	-	-	-	X	X	BENTV
BARIUM SULFIDE	-	-	-	X	X	X	BENTV
BASIC SLAG	-	-	-	X	-	X	B
BEER	X	X	X	-	X	X	BENTV
BENZENE/BENZOL	X	X	X	X	X	-	TV
BENZINE	X	X	X	X	X	-	B
BLACK LIQUOR (PAPER INDUSTRY)	-	-	-	X	-	X	BENTV
BLEACH (12.5% CHLORINE)	-	-	-	-	-	X	ENTV
BORAX	-	-	-	X	X	X	BENSTV
BORIC ACID	X	-	-	-	X	X	BENTV
BRINE	-	-	-	-	X	X	BENTV
BROMIC ACID	-	-	-	-	-	X	ENTV
BURNT LIME	X	X	X	X	X	X	B
BUTANE	X	X	X	X	X	-	BTV
BUTADIENE	X	X	X	-	X	-	BNSTV
BUTYL ACETATE - DRY	X	X	X	X	X	-	ET
BUTYL STEARATE	X	X	X	X	X	-	B
BUTYLENE	X	X	X	X	X	-	B
CADMIUM CYANIDE	-	-	-	-	-	X	B
CALCIUM ACETATE	-	X	X	-	X	X	BE
CALCIUM BISULFITE	-	-	-	-	X	X	BNTV
CALCIUM CHLORIDE	-	-	-	-	-	X	BENTV
CALCIUM HYDROXIDE	-	X	X	X	X	X	BENTV
CALCIUM HYPOCHLORITE	-	-	-	-	-	X	ETV
CALCIUM NITRATE, 40%	X	-	-	X	X	X	B
CARBOLIC ACID (PHENOL)	-	-	-	-	X	-	TV
CARBON DIOXIDE - DRY	X	X	X	X	X	-	BENT
CARBON DISULFIDE	X	X	X	X	X	-	TV
CARBON TETRACHLORIDE	-	-	-	X	X	-	TV
CARBONATED BEVERAGES	X	-	-	-	X	X	N
CARBONIC ACID	X	-	-	-	X	X	BENTV
CASTOR OIL	-	-	-	-	X	X	BENTV
CAUSTIC POTASH	-	-	-	X	-	X	BENTV
CAUSTIC SODA	-	-	-	X	-	X	BENT
"CELLOSOLVES"	X	X	X	X	X	-	ET
- METHYL	-	X	X	X	X	-	B
CHLORINE - DRY	-	-	-	-	-	-	NV
CHLOROBROMOMETHANE	-	X	X	-	X	-	V
CHLOROFORM - DRY	X	X	X	-	X	-	NTV
"CHLOREX"	-	X	X	-	-	-	N
CHROMIC ACID - 50%	-	-	-	X	X	X	BNTV
CITRIC ACID	-	-	-	-	X	X	BENT
COBALTZED SUPER COMPOUND	-	-	-	-	-	X	B

Fluid	Alum- inum	Cast Brass	Forged Brass	Ductile Iron	Stainless Steel	Polypro- pylene	Gasket
COPPER CHLORIDE - DRY	-	-	-	X	-	X	BENTV
COPPER SULFATE	-	-	-	-	X	X	BENTV
COPPERIZED SUPER COMPOUND	-	-	-	-	-	X	B
CORN OIL	-	-	-	-	X	X	BNTV
COTTONSEED OIL	X	-	-	-	X	X	BNTV
CREOSOTE	X	X	X	X	X	-	V
CRESYLIC ACID	X	X	X	X	X	-	ETV
CYCLOHEXANE	X	X	X	X	X	-	BTV
DETERGENTS	-	-	-	-	X	X	BENTV
DEVELOPER SOLUTIONS	-	-	-	-	-	X	B
DEXTROSE	X	-	-	-	X	X	BENTV
DIESEL FUELS	X	X	X	X	X	X	BTV
DIETHYL SEBACATE	-	-	-	X	-	-	N
DISODIUM PHOSPHATE	-	-	-	-	-	X	BENT
DOWTHERM (DIPHENYL)	-	-	-	-	-	-	V
ETHANOLAMINE	X	-	-	X	X	X	BN
ETHER	X	X	X	-	X	-	BT
ETHYL ACETATE	-	-	-	X	X	X	ET
ETHYL CHLORIDE - DRY	X	X	X	-	X	-	BETV
ETHYLENE	-	X	X	X	X	-	B
ETHYLENE DICHLORIDE - DRY	X	X	X	X	X	-	TV
ETHYLENE GLYCOL	X	X	X	X	X	X	BENTV
FATTY ACIDS	-	-	-	-	X	X	BNTV
FERRIC CHLORIDE	-	-	-	-	-	X	BENTV
FERRIC HYDROXIDE	-	-	-	-	-	X	BENTV
FERRIC NITRATE	-	-	-	-	X	X	BENTV
FERRIC SULFATE	-	-	-	-	X	X	BENTV
FLUOBURIC ACID	-	-	-	-	X	X	BENTV
FORMALDEHYDE, 40%	X	-	-	-	X	X	ENT
FORMALIN	X	-	-	-	X	X	N
FORMIC ACID	X	-	-	-	X	X	ENT
FREON	X	-	-	X	X	X	BNTV
FRUIT JUICES: GRAPEFRUIT	-	-	-	-	X	X	BNTV
LEMON	-	-	-	-	X	X	BNTV
PINEAPPLE	-	-	-	-	X	X	BNTV
FURFURAL	X	X	X	X	X	-	ENT
GASOLINE - REFINED	X	X	X	X	X	-	BNTV
GASOLINE - SOUR	X	-	-	-	X	-	BNTV
GELATIN	X	-	-	-	X	X	BENTV
GLUCOSE	X	-	-	-	X	X	BENTV
GLUE	X	X	X	X	X	X	BENTV
GLYCERINE	X	X	X	X	X	X	BENTV
GLYCOL	-	-	-	-	-	X	BENTV
GREEN LIQUOR (PAPER INDUSTRY)	-	-	-	-	-	X	BENTV
HEXANE	X	X	X	X	X	-	BNTV
HYDROBROMIC ACID	-	-	-	-	-	X	ETV
HYDROBROMIC ACID, 40%	-	-	-	-	-	X	ETV
HYDROBROMIC ACID, 100%	-	-	-	-	-	X	V
HYDROCHLORIC ACID	-	-	-	-	-	X	ENTV
HYDROCYANIC ACID	X	-	-	-	X	X	ENTV
HYDROGEN CHLORIDE GAS - DRY	-	-	-	-	-	X	ENTV
HYDROGEN GAS	X	X	X	X	X	X	BENTV
HYDROGEN PEROXIDE	-	-	-	-	X	X	ETV
HYDROGEN SULFIDE	-	-	-	-	X	X	ET
"HYPO"	-	-	-	-	X	-	B
HYPOCHLOROUS ACID, 20%	-	-	-	-	-	X	ETV
ISOBUTYL ACETATE	X	X	X	X	X	X	ET
ISOPROPYL ACETATE	-	-	-	X	X	-	ET
JET FUEL	X	X	X	X	X	-	TV
KEROSENE	X	X	X	X	X	-	BNTV
KRAFT LIQUOR (PAPER INDUSTRY)	-	-	-	-	-	X	T
LACQUERS	X	X	X	-	X	-	BT
LACTIC ACID, 20%	-	-	-	-	X	X	ENTV
LACTIC ACID, 70%	-	-	-	-	X	X	ENTV
LARD	-	-	-	-	X	X	N
LEAD: CHLORIDE SULFATE	-	-	-	-	-	X	BNTV
LIME SLURRY	-	-	-	-	X	X	B
LIME SULPHUR	-	-	-	X	X	X	BENTV
LINOLEIC ACID	-	-	-	-	X	X	BSTV
LINSEED OIL	-	-	-	-	X	X	BNTV
L.P.G.	X	X	X	X	X	-	B
MAGNESIUM CARBONATE	-	X	X	X	X	X	BENTV



Material Recommendations (continued)

Fluid	Alum- inum	Cast Brass	Forged Brass	Ductile Iron	Stainless Steel	Polypro- pylene	Gasket
MAGNESIUM CHLORIDE	—	—	—	—	X	X	BENTV
MAGNESIUM HYDROXIDE	—	X	X	X	X	X	BENTV
MAGNESIUM NITRATE	X	—	—	—	X	X	BENTV
MAGNESIUM SULFATE	X	—	—	—	X	X	BENTV
MERCURIC CHLORIDE	—	—	—	—	—	X	BETV
MERCURY	—	—	—	X	X	X	BENTV
METHANE	X	X	X	X	X	—	BENTV
METHANOL	X	X	X	X	X	X	BENT
METHYL AMYL ACETATE	—	—	—	—	—	X	E
METHYLENE CHLORIDE	—	—	—	—	X	—	TV
METHYL BENZENE	X	X	X	X	X	—	V
METHYLETHYL KETONE	X	X	X	X	X	X	ENT
MILK	X	—	—	—	X	X	BENTV
MINERAL OIL	X	X	X	X	X	X	BNTV
MOLASSES	X	X	X	X	X	X	N
MURIATE OF POTASH	—	—	—	X	—	X	BENTV
MURIATIC ACID	—	—	—	—	—	X	TV
NAPHTHA	X	X	X	—	X	—	BTV
NAPHTHALENE	X	X	X	X	X	—	TV
NAPHTHENIC ACID	—	X	X	X	X	—	B
NATURAL GAS	X	X	X	X	X	X	B
NICKEL CHLORIDE	—	—	—	—	X	X	BENTV
NICKEL SULFATE	—	—	—	—	X	X	BENTV
NITRIC ACID	—	—	—	—	X	X	TV
NITROBENZENE	X	—	—	X	X	—	ETV
NITRO LIME	—	—	—	—	—	X	B
OCTANE	X	X	X	X	X	—	V
OIL - CORE	—	X	X	X	X	—	B
OIL - FUEL	X	X	X	X	X	—	BNTV
OIL - HYDRAULIC	X	X	X	X	X	X	B
OIL - CRUDE	—	—	—	—	X	—	B
OIL - REFINED	X	X	X	X	X	—	B
OIL - TRANSMISSION	—	X	X	X	X	X	V
OIL - VEGETABLE	—	—	—	—	X	X	BNTV
OLEIC ACID	—	—	—	X	X	X	BT
OLEUM	—	—	—	X	X	—	TV
OXALIC ACID	X	—	—	—	—	X	BETV
OXYGEN	X	X	X	X	X	X	BENTV
PALMITIC ACID	—	—	—	—	X	X	BTV
PARAFFIN	X	X	X	X	X	X	BNTV
PENTACHLOROPHENOL - DRY	—	—	—	—	—	—	T
PERCHLOROETHYLENE	—	—	—	X	X	—	TV
PHOSPHORIC ACID	—	—	—	—	X	X	ENTV
PHOTOGRAPHIC SOLUTIONS	—	—	—	—	—	X	BNTV
PHTHALIC ANHYDRIDE	X	X	X	X	X	X	ENTV
PICRIC ACID - MOLTEN	—	—	—	—	X	—	V
— AQUEOUS SOLUTION	—	—	—	—	X	X	V
PLATING SOLUTIONS, CHROME	—	—	—	—	—	X	ENTV
POTASSIUM ACETATE	—	X	X	X	X	X	BETV
POTASSIUM CHLORIDE	—	—	—	—	—	X	BENTV
POTASSIUM CYANIDE	—	—	—	—	X	X	BENTV
POTASSIUM DICHROMATE	X	X	X	X	X	X	BETV
POTASSIUM HYDROXIDE, 30%	—	—	—	—	X	X	BENT
POTASSIUM NITRATE	X	X	X	X	X	X	BENTV
POTASSIUM SULFATE	X	X	X	—	X	X	BENTV
PROPANE	X	X	X	X	X	—	BTV
PROPYLENE GLYCOL	X	X	X	X	—	X	BNTV
PROPYLENE OXIDE	—	—	—	—	X	—	ET
ROSIN	X	—	—	—	X	X	B
SALT WATER	—	X	X	—	X	X	B
SHELLAC	X	—	—	—	X	X	B
SILICONE FLUID	—	—	—	—	X	—	BE

Fluid	Alum- inum	Cast Brass	Forged Brass	Ductile Iron	Stainless Steel	Polypro- pylene	Gasket
SILICONE OIL	—	—	—	—	X	X	BENTV
SILVER NITRATE	—	—	—	—	—	X	BENTV
SOAP SOLUTIONS	—	—	—	—	X	X	BENTV
SODA ASH	—	—	—	X	X	X	BENTV
SODIUM BICARBONATE	—	X	X	—	X	X	BENTV
SODIUM BISULFATE	—	—	—	—	X	X	BENTV
SODIUM BORATE	X	X	X	—	X	X	BENTV
SODIUM PERBORATE	—	—	—	—	X	X	BENTV
SODIUM CARBONATE	—	—	—	X	X	X	BENTV
SODIUM CHLORIDE	—	X	X	X	X	X	BENTV
SODIUM CYANIDE, 10%	—	—	—	X	X	X	BENTV
SODIUM DICHROMATE, 10%	—	—	—	—	—	X	ET
SODIUM HYDROXIDE, 40%	—	—	—	X	X	X	BENT
SODIUM HYPOCHLORITE, 20%	—	—	—	—	—	X	ETV
SODIUM METAPHOSPHATE	—	X	X	—	X	X	BENTV
SODIUM NITRATE	X	—	—	X	X	X	BENT
SODIUM PEROXIDE	—	—	—	X	X	X	BENTV
SODIUM PHOSPHATE - MONO-BASIC	—	X	X	X	X	X	B
SODIUM PHOSPHATE - DI-BASIC	—	X	X	X	X	X	B
SODIUM PHOSPHATE - TRI-BASIC	—	X	X	X	X	X	B
SODIUM SILICATE	—	X	X	X	X	X	BENTV
SODIUM SULFATE	—	X	X	—	X	X	BENTV
SODIUM SULFIDE	—	—	—	—	X	X	BENTV
SODIUM THIOSULFATE	—	—	—	—	X	X	BENTV
SOYBEAN OIL	—	—	—	—	X	X	BN
STANNIC CHLORIDE	—	—	—	—	—	X	BENTV
STANNOUS CHLORIDE, 15%	—	—	—	—	X	X	BENTV
STEAM	—	—	—	—	X	—	V
STEARIC ACID	—	—	—	—	X	X	BNTV
STODDARD SOLVENT	X	X	X	X	X	—	BTV
STYRENE	X	—	—	—	X	—	V
SUGAR LIQUORS - CANE	X	X	X	X	X	X	BENTV
SUGAR LIQUORS - BEET	X	—	—	X	X	X	BENTV
SULFATE LIQUORS	—	—	—	—	X	X	BNTV
SULPHITE LIQUORS	—	—	—	—	X	X	BNTV
SULFURIC ACID	—	—	—	—	—	X	TV
SULFUROUS ACID	—	—	—	—	X	X	TV
SUPER-PHOSPHATE	—	—	—	—	—	X	B
TANNIC ACID, 10%	—	—	—	—	X	X	BENTV
TAR - WOOD	X	X	X	X	X	X	B
TARTARIC ACID	—	—	—	—	X	X	BNTV
TITANIUM TETRA CHLORIDE - DRY	—	—	—	—	X	X	TV
TOLUENE/TOLUOL	X	X	X	X	X	—	BTV
TETRACHLOROETHYLENE	—	—	—	—	X	—	V
TRICHLOROETHYLENE - DRY	—	X	X	X	X	—	TV
TRIETHANOLAMINE	X	—	—	X	X	X	BENTV
TRISODIUM PHOSPHATE	—	—	—	—	X	X	BNTV
UREA	X	—	—	—	X	X	BENTV
URINE	—	—	—	—	—	X	BENTV
VARNISH	X	—	—	—	X	—	BV
VINEGAR	X	—	—	—	X	X	ENTV
WATER - ACID MINE	—	—	—	—	X	X	BENTV
WATER - DEIONIZED	—	—	—	—	—	X	N
WATER - DEMINERALIZED	—	—	—	—	—	X	N
WATER - DISTILLED	X	—	—	—	X	X	BENTV
WATER - FRESH	X	X	X	—	X	X	B
WATER - SALT	—	X	X	—	X	X	BENTV
WHITE LIQUOR (PAPER INDUSTRY)	—	—	—	—	X	X	BENTV
WINE	—	—	—	—	X	X	BENTV
XYLENE/XYLOL	X	X	X	—	X	—	TV
ZINC CHLORIDE	—	—	—	—	—	X	BENTV
ZINC NITRATE SULPHATE	X	—	—	—	X	X	BENTV

Polypropylene not recommended for food service.

LEGEND:

X = Recommended; B = Buna; E = EPT/EPDM; N = Neoprene; S = Silicone; T = PTFE; V = Fluoroelastomer

Notes: (1) All recommendations for pure chemicals at normal temperature unless otherwise stated.

(2) Temperature, concentrations, impurities, and other chemicals present can affect chemical resistance. It is not possible to test in all chemicals and therefore some chemical resistance indicators are based on the manufacturer's best estimates known about various classes and the composition of various metallurgies and elastomers. Therefore, manufacturers do not certify results from a performance standpoint but state they should be used only as indicators of chemical resistance. APG assumes no responsibility whatsoever.

(3) The Information contained in these tables was derived from several sources and is to be used as a general guide only. Metallurgies and elastomers suitable for any specific application rests solely by the end user. APG assumes no responsibility whatsoever.



The APG Product Line

Industrial Hose Couplings

Ball Valves
Cam and Groove
EVER-TITE®
Tough-TITE™
U-TITE
Check Valves
Clamps
Double Bolt
High Pressure
Spiral
Steel Bands
Preformed
Open-end
Worm Gear
Combination Nipples
Foot Valves
Garden Hose
Gate Valves
Ground Joint
Menders
Nipples
Pin-lug
Push-on Hose Barbs
Standard Hose Barbs
Quick Disconnects
Sandblast
Strainers
Universal Crowfoot

Pressure Gauges

Dry – Black Steel w/Brass
Connections
Liquid Filled
Stainless Steel Case w/ Brass
Connections
All Stainless Steel

O-Rings

Aflas® 80 Durometer
Chloroprene 70 Durometer
E.P.R. 70 Durometer
Standard & Metric
E.P.R. Peroxide Cured
70 Durometer NSF
80 Durometer
Fluoroelastomer – Black
Standard 75 & 90 Durometer
Metric 75 & 90 Durometer
Fluoroelastomer – Brown
75 & 90 Durometer
Fluorosilicone 70 Durometer
Highly Saturated Nitrile
Green 70 Durometer
Standard & Metric
Black 90 Durometer
Blue TFE Coated 70
Durometer

O-Rings (continued)

Nitrile - Black
Standard 50, 70, & 90
Durometer
Metric 70 & 90 Durometer
Nitrile - Black - Peroxide Cured
90 Durometer
Nitrile - White 70 Durometer
PTFE
Silicone 70 Durometer
Standard & Metric
Square Cut Rings
Nitrile 70 Durometer
Teflon® Encapsulated
Viton® Core
Silicone Core
Urethane 70 & 90 Durometer
4 Lobe Q-Rings
Nitrile 70 Durometer
Fluoroelastomer 75
Durometer
Minnesota Quad-Rings®
*Available at ENA (an APG
subsidiary)*
Nitrile 70 Durometer
Viton® 70 Durometer
Non-Standard Sizes
(Vulcanized)
Kits
Standard
Metric
Splicing
Specialty
O-Ring Accessories
Measuring Devices
(Cones)
(Tapes)
(Sizing Charts)
(Gauges)
(Compound Identifiers)
Lubricants
Picks

Back-Up Rings

PTFE
Solid
Split
Spiral
Contoured Back-Up Rings
Nitrile 90 Durometer
Fluoroelastomer 90
Durometer
Leather

O-Ring Cord

Aflas® 75 Durometer
E.P.R. 70 Durometer
Fluoroelastomer - Black
Inch 75 & 90 Durometer
Metric 75 Durometer
Square 75 Durometer
Fluoroelastomer – Brown
75 Durometer
Neoprene 70 Durometer
Neoprene Sponge - Closed Cell
Nitrile
Inch – 50, 70, & 90 Durometer
Metric – 70 & 90 Durometer
Square – 70 Durometer
Silicone 70 Durometer
4-Lobe Q-Ring
Nitrile 70 Durometer
Fluoroelastomer 75
Durometer

Extrusions

EPDM
Fluoroelastomer
Neoprene - White
Neoprene Sponge - Closed Cell
Silicone - Gray

Hydraulic Seals

Loaded Lip Seals
Metal Clad Wipers
Metric Bonded Seals
Metric Compact Piston Seals
Metric Oil Seals
Metric U-Cups
Metric V Seals
Metric Wipers
Piston Cups
Rod Wipers
T-Seals
U-Cups
Vee Packings
Wear Rings
Wear Strips
WV Rings

Custom Molded Rubber Products

Mandrel Built & Lathe Cut
Products
Rubber Roll Coverings
Rubber / Fabric Products
Rubber to Metal Bonding

Sheet Material

Black Rubber Sponge -
Open Cell
Black Rubber - Cloth Inserted



The APG Product Line (continued)

Sheet Material (continued)

Butyl
Chipboard
Compressed Non-Asbestos
Cork
Cork and Buna-N
Cork and Neoprene
Cork and Neoprene Spiral
Ribbon
Cork and Synthetic Rubber -
Adhesive Backed
EPDM
Felt - Gray, White, & Green
Fibre-Cork
Fiberglass Cloth
Fiberglass Wire Inserted
Tacky Cloth
Filled PTFE
Fish Paper
Flexible Graphite
Fluoroelastomer
Fluoroelastomer - Nylon Inserted
Gum Rubber
Hypalon
Leather
Koroseal®
Neoprene 40, 60, 70, &
72 Durometer
Neoprene Cotton and
Nylon Inserted
Nitrile 50, 60, & 90 Durometer
Nitrile - White 50-65 Durometer
Nitrile Sponge - Closed Cell
Nitrile Nylon Inserted
Nitrile - Transformer Grade
Nomex® Paper
Nylon
PCTFE
Plant (Vegetable) Fiber
Red Rubber
Silicone 50 and 70 Durometer
Silicone Sponge
Tank Gasket
TFE and TFE Glass Filled
Vinyl Matting
Vulcanized Fiber -
Bone Hard - Red

Fabrication

Gaskets
Water-jet Cut
Steel Rule Die Cut
Industrial Glass
Pipeline Scraper Discs
Stripping (with optional
adhesive backing)
Tank Strips & Gaskets

Fabrication (continued)

Vulcanizing
Non-Standard O-Rings
Sleeves
Gaskets

Spiral Wound Gaskets

304 Stainless Steel / Graphite
316 Stainless Steel / Graphite

Packing

Aramid Filament
Carbon / Graphite
Carbon / TFE
Flax and Flax / TFE
General Service Packing
G.F.O.®
Graphite Filament
Inconel Wire-Inserted
Novoloid Fiber / PTFE
Pre-Lubed TFE Yarn
Pre-Lubed TFE Yarn (FDA)
PTFE Cord Packing
Stuffing Box Packing (S.B.S.)
TFE Yarn
Twisted Fiberglass Rope & Wick

Industrial Glass

Tubular Gauge Glass
Standard
High Pressure
Red Line
Heavy Wall
Heavy Wall Red Line
Borosilicate Flat Glass
Circles
Rectangles
Squares
Flat Gauge Glass
Plain
High Pressure
Reflex
Vycor® Brand Flat Glass
Circles
Rectangles
Squares
Pyrex® Brand Annular Edge
Sight Glass
Annealed
Tempered
Fused Quartz
Circles
Rectangles
Squares
Glass Accessories
Guard Rods - Brass
Water Gauges - Brass
Gauge Glass Cutters

Industrial Glass (continued)

Glass Accessories (continued)
Gauge Glass Gaskets
PCTFE Shields
Mica Shields

Plastic Products, Die Cut

Replacement Safety Visors
Safety Visor Headgear
Safety Visor Hardhat Adapters
Replacement Lenses for
Sandblasting Helmets
Plastics for the Printing Industry
Custom Fabricated Die-Cut
Plastic Products

Plastic Products, Machined

Custom Designs
Back-Up Rings
Guide Rings
Rod Seals
Piston Rings
Wipers

Specialty & Miscellaneous Products

Fastener Seals
Thread Seals
Mechanical Seal Components
O-Ring Groove Seats
(Ceramic)
(Tungsten-Carbide)
(Silicon-Carbide)
Tools
Gasket Cutters
Gasket Knives
Gauge Glass Cutters
Packing Hooks
O-Ring Picks
Punches & Punch Sets
Clamping System Tools
Tapes
Fiberglass
Kapton®
Polyester
Silicone Adhesive Backed -
Solid
Silicone Adhesive Backed -
Sponge
Teflon® Fiberglass
TFE Pipe Thread Tape
Adhesives
PTFE Flange Sealant
Stop-It® Pipe Repair System



Notes

This image shows a full page of a blank sheet of white paper with horizontal blue ruling lines. The lines are evenly spaced and run across the width of the page. At the top left corner, there are three short, thick horizontal black bars stacked vertically.

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Our Policy

Prices

Prices quoted are for acceptance within thirty days from date quoted. Unless specified, prices are based on our receiving order for quantities quoted.

Terms

Our terms of payment are 1% 10, net 30 days, unless other arrangements are made through our credit department.

Minimum Invoice

Orders consisting of O-Rings Only - \$5.00
Orders consisting of O-Rings and/or All Other Products (Excluding Plastic Products) - \$15.00
City Sales Counter - \$35.00
Plastic Products - \$50.00

Warranty

Products are warranted against defects in workmanship and defects in material. Products having such defects will be replaced or credited as APG elects. Liability is limited to the invoice value of the defective item. Our responsibility shall not exceed the original purchase price of the defective product. In any event, APG shall not be held responsible for any special or consequential damages. In all cases, please contact us for approval and routing of return items. All claims of shortage or damage must be made within 30 days after receipt of shipment.

Freight

All orders totaling less than \$1500 at NET prices are F.O.B. our warehouse with no freight allowance. Orders totaling \$1500 or more at NET prices, any product mix, receive full freight prepaid and allowed, provided such orders are for one shipment within the lower 48 continental United States and provided our normal freight modes are used. Special delivery charges incurred at the customer's request are for the customer's account. Exceptions to this freight prepaid and allowed policy: all glass products. These products are F.O.B. our warehouse with no freight allowance unless other items on the order total \$1500 or more at NET prices.

Catalog Information

Various information sources were used to compile this catalog. We offer this information only as a guide and cannot assume responsibility for accuracy of the data herein. Prices listed are current, subject to change.



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P.O. Box 213 (77001)

6039 Armour Dr. (77020)

Houston, Texas