



**CP SPECIALTY
PRODUCTS**

CP Specialty Products LLC

910 Huber Dr. Monroe Michigan 48162

(P) 888.479.6452

cpspecialtyproducts.com

Mission

CP Specialty Products is a wholesale distributor of hydraulic and pneumatic components and accessories serving the fluid power industry.

Core Values

Customer Service ■ Communication ■ Respect ■ Teamwork ■ Quality ■ Accountability

As we are regularly adding to our product line to fit customers' needs we have not included everything that is offered. This condensed catalog showcases our more popular stock and other frequently used items.

Dimensions may change without notice.

Please contact a Customer Service representative if they are critical.

No Minimum Order

\$25.00 and up – No Service Charge
Under \$25.00 - \$2.00 Service Charge
Under \$15.00 - \$4.00 Service Charge

Need help identifying a fitting?

Let a CP Specialty Products representative assist you in identifying fittings by determining material, thread type/size, part number, or with a photo.

Shipping Guarantee

We ship same day for all orders placed before 3:30 PM at our distribution center via UPS. Contact customer service to have your order shipped with another carrier.

Damage/ Shortage Claims

Open packages and verify count of all items immediately upon receiving. If damaged, the original carton should be kept for possible carrier inspection. Contact a Customer Service representative within 48 hours of receiving your order to file a claim.

Returns

Returns will be accepted within 30 days of the purchase date. Ask a customer service representative for a Returned Goods Authorization (RGA) and send the items back to our distribution center. A credit will be issued within two weeks of receiving items minus a 25% processing and restocking fee. If an item was a non stock item it may be subjected to additional restocking fees.

(P) 888.479.6452

sales@csp-llc.com

Identifying fittings/returns/damages/
shortages: purchasing@csp-llc.com



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Brass Push-On Hose Barbs

CP Specialty Products LLC

JIC 37° Swivel (PO)



Parker 30682

Part Number	37 JIC Swivel Thread	Hose ID
P0-142	7/16-20	1/8
P0-144	7/16-20	1/4
P0-156	1/2-20	3/8
P0-164	9/16-18	1/4
P0-166	9/16-18	3/8
P0-186	3/4-16	3/8
P0-188	3/4-16	1/2
P0-1108	7/8-14	1/2
P0-11010	7/8-14	5/8
P0-11212	1-1/16-12	3/4
P0-11616	1-5/16-12	1"



Male Pipe (POM)



Parker 30182



*For Female Pipe use part #POF Parker 30282

Part Number	Hose I.D.	Pipe Thread
POM-142	1/4	1/8
POM-144	1/4	1/4
POM-146	1/4	3/8
POM-162	3/8	1/8
POM-164	3/8	1/4
POM-166	3/8	3/8
POM-168	3/8	1/2
POM-186	1/2	3/8
POM-188	1/2	1/2
POM-1108	5/8	1/2
POM-11212	3/4	3/4

Don't forget to order **GOODYEAR Push-On** hose which can be found on Pg. 37 or let us build a custom hose for you.

Male 37° JIC (POT)



Parker 30382

Part Number	Male Thread	Hose I.D.
POT-142	7/16-20	1/8
POT-144	7/16-20	1/4
POT-166	9/16-18	3/8
POT-188	3/4-16	1/2

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CP SPECIALTY PRODUCTS

Male Pipe Straight (1XX)

Part Number	Hose I.D.	Pipe	O/A Length
121	1/8	1/16	1-3/16
142	1/4	1/8	1-9/16
144	1/4	1/4	1-3/4
162	3/8	1/8	1-9/16
164	3/8	1/4	1-3/4
166	3/8	3/8	1-3/4
186	1/2	3/8	1-11/16
188	1/2	1/2	1-7/8
1108	5/8	1/2	1-13/15
1128	3/4	1/2	1-25/32
11212	3/4	3/4	1-13/16
11616	1"	1"	2-1/4

**Parker 125HBL**

Remember to order
Oetiker clamps with
industrial hose barbs!

Oetiker Clamp Number	Hose I.D.
1315	1/4
1518	3/8
2023	1/2
2731	3/4
3740	1

Male Pipe 45° Elbow (4XX)

Part Number	Hose I.D.	Pipe
432	3/16	1/8
442	1/4	1/8
444	1/4	1/4
452	5/16	1/8
454	5/16	1/4
462	3/8	1/8
464	3/8	1/4
466	3/8	3/8
486	1/2	3/8
488	1/2	1/2

**Parker 139HB****Male Pipe 90° Elbow (9XX)**

Part Number	Hose I.D.	Pipe
932	3/16	1/8
942	1/4	1/8
944	1/4	1/4
952	5/16	1/8
954	5/16	1/4
962	3/8	1/8
964	3/8	1/4
966	3/8	3/8
986	1/2	3/8
988	1/2	1/2

**Parker 129HB**

JIC 37° Swivel (NSBA)



Part Number	Hose I.D.	Thread Size
4-NSBA	1/4	7/16-20
5-NSBA	5/16	1/2-20
6-NSBA	3/8	9/16-18
8-NSBA	1/2	3/4-16
12-NSBA	3/4	1-1/16-12
16-NSBA	1"	1-5/16-12
20-NSBA	1-1/4	1-5/8-12
24-NSBA	1-1/2	1-7/8-12

Male JIC 37° (T-1XX)



Part Number	Thread	Hose I.D.
T-144	7/16-20	1/4
T-166	9/16-18	3/8

Hose Splicer (HS)



Part Number	Hose I.D.	O/A Length
HS-4	1/4	1-5/8
HS-5	5/16	1-7/8
HS-6	3/8	2"
HS-8	1/2	2"

Parker 122 HBL

Male Pipe Straight (U1XX)

Part Number	Hose I.D.	Pipe
U142	1/4	1/8
U144	1/4	1/4
U152	5/16	1/8
U154	5/16	1/4
U162	3/8	1/8
U164	3/8	1/4
U166	3/8	3/8
U168	3/8	1/2
U186	1/2	3/8
U188	1/2	1/2
U11212	3/4	3/4
U11616	1"	1"



Remember to order
Oetiker Clamps with
industrial hose barbs!

Male Pipe 45° (U4XX)

Part Number	Hose I.D.	Pipe
U442	1/4	1/8
U444	1/4	1/4
U452	5/16	1/8
U454	5/16	1/4
U462	3/8	1/8
U464	3/8	1/4
U466	3/8	3/8
U486	1/2	3/8
U488	1/2	1/2
U41212	3/4	3/4
U41616	1"	1"



Oetiker Clamp Number	Hose I.D.
1315	1/4
1518	3/8
2023	1/2
2731	3/4
3740	1

Male Pipe 90° (U9XX)

Part Number	Hose I.D.	Pipe
U942	1/4	1/8
U944	1/4	1/4
U952	5/16	1/8
U954	5/16	1/4
U962	3/8	1/8
U964	3/8	1/4
U966	3/8	3/8
U986	1/2	3/8
U988	1/2	1/2
U91212	3/4	3/4
U91616	1"	1"



Male Pipe 45° Elbow (ETM45B)



Parker VTX-B

Part Number	Thread Size	Pipe Size
42-ETM45B	7/16-20	1/8
44-ETM45B	7/16-20	1/4
52-ETM45B	1/2-20	1/8
54-ETM45B	1/2-20	1/4
62-ETM45B	9/16-18	1/8
64-ETM45B	9/16-18	1/4
66-ETM45B	9/16-18	3/8
86-ETM45B	3/4-16	3/8
88-ETM45B	3/4-16	1/2
108-ETM45B	7/8-14	1/2
1212-ETM45B	1-1/16-12	3/4

Male Pipe 90° Elbow Long (LETMB)



Parker CCTX-B

Part Number	Thread Size	Pipe Size
44-LETMB	7/16-20	1/4
64-LETMB	9/16-18	1/4
66-LETMB	9/16-18	3/8

Male Pipe 90° Elbow (ETMB)



Parker CTX-B

Part Number	Thread Size	Pipe Size
42-ETMB	7/16-20	1/8
44-ETMB	7/16-20	1/4
52-ETMB	1/2-20	1/8
54-ETMB	1/2-20	1/4
62-ETMB	9/16-18	1/8
64-ETMB	9/16-18	1/4
66-ETMB	9/16-18	3/8
68-ETMB	9/16-18	1/2
86-ETMB	3/4-16	3/8
88-ETMB	3/4-16	1/2
8-12-ETMB	3/4-16	3/4
108-ETMB	7/8-14	1/2
12-8-ETMB	1-1/16-12	1/2
1212-ETMB	1-1/16-12	3/4
1616-ETMB	1-5/16-12	1"

Male Pipe Straight (STMB)

Part Number	Thread Size	Pipe Size
42-STMB	7/16-20	1/8
44-STMB	7/16-20	1/4
46-STMB	7/16-20	3/8
52-STMB	1/2-20	1/8
54-STMB	1/2-20	1/4
62-STMB	9/16-18	1/8
64-STMB	9/16-18	1/4
66-STMB	9/16-18	3/8
68-STMB	9/16-18	1/2
84-STMB	3/4-16	1/4
86-STMB	3/4-16	3/8
88-STMB	3/4-16	1/2
8-12-STMB	3/4-16	3/4
108-STMB	7/8-14	1/2
12-8-STMB	1-1/16-12	1/2
1212-STMB	1-1/16-12	3/4
1616-STMB	1-5/16-12	1"

**Parker FTX-B****Female Pipe (2405-X-X-Brass)**

Part Number	Thread Size	Pipe Size
2405-8-8-BRASS	3/4-16	1/2
2405-12-12-BRASS	1-1/16-12	3/4
2405-16-16-BRASS	1-5/16-12	1

**Parker GTX-B**

Straight Union Tube Swivel (UTS-1XX)



Parker F6X-B

Part Number	Swivel Thread	Pipe Size	O/A Length
UTS-142	7/16-20	1/8	1-1/8
UTS-144	7/16-20	1/4	1-5/16
UTS-162	9/16-18	1/8	1-3/8
UTS-164	9/16-18	1/4	1-3/8
UTS-166	9/16-18	3/8	1-3/8
UTS-188	3/4-16	1/2	1-13/16

45° Elbow Union Tube Swivel (UTS-4XX)



Part Number	Swivel Thread	Pipe Size
UTS-444	7/16-20	1/4
UTS-462	9/16-18	1/8
UTS-464	9/16-18	1/4
UTS-466	9/16-18	3/8

90° Union Tube Swivel (UTS-9XX)



Parker X6EF-B

Part Number	Swivel Thread	Pipe Size
UTS-942	7/16-20	1/8
UTS-944	7/16-20	1/4
UTS-962	9/16-18	1/8
UTS-964	9/16-18	1/4
UTS-966	9/16-18	3/8

90° Pipe Elbow (9XX-PE)

Part Number	Female Pipe	Male Pipe	Center Length
922-PE	1/8	1/8	1/2
922 PEL-1	1/8	1/8	1-3/16
922 PEL-2	1/8	1/8	1-7/16
922 PEL-3	1/8	1/8	1-11/16
922 PEL-4	1/8	1/8	1-7/8
942-PE	1/4	1/8	27/32
944-PE	1/4	1/4	27/32
944 PEL-1	1/4	1/4	1-3/16
944 PEL-2	1/4	1/4	1-7/16
944 PEL-3	1/4	1/4	1-11/16
944 PEL-4	1/4	1/4	1-7/8
944 PEL-5	1/4	1/4	2-1/4
966-PE	3/8	3/8	31/32
966 PEL-1	3/8	3/8	1-3/4
966 PEL-2	3/8	3/8	2-1/4
988-PE	1/2	1/2	7/8
Metric Brass Dot El's			
92-M6 PE	1/8	M6 x .75	.782
92-M6-PEL	1/8	M6 x .75	1.25
92-M6-PEx1	1/8	M6 x 1.0	.943

**Parker 2202P****45° Pipe Elbow (4XX-PE)**

Part Number	Female Pipe	Male Pipe
422-PE	1/8	1/8
422-PEL	1/8	1/8
444-PE	1/4	1/4
466-PE	3/8	3/8
488-PE	1/2	1/2

**Parker 2214P**

Extension Adapter



Parker 222P

Part Number	Female Pipe	Male Pipe	O/A Length
12-1032 PA	1/8	10/32	.940
122-PA	1/8	1/8	13/16
122-PAL-1	1/8	1/8	1-1/4
122-PAL-2	1/8	1/8	1-3/4
122-PAL-3	1/8	1/8	2-11/16"
142-PA	1/4	1/8	7/8
144-PA	1/4	1/4	1"
144-PAL	1/4	1/4	1-1/4
144-PAL-1	1/4	1/4	1-9/16
144-PAL-2	1/4	1/4	1-13/16
144-PAL-3	1/4	1/4	2-1/16
144-PAL-4	1/4	1/4	2-1/2
164-PA	3/8	1/4	1-3/16
166-PA	3/8	3/8	1-1/4
186-PA	1/2	3/8	1-3/16
188-PA	1/2	1/2	1-5/8
Metric Brass Adapters			
12-M6 PA	1/8	M6 x .75	.710
12-M6 PAx1	1/8	M6 x 1.0	.712

Restrictor



Part Number	Male Pipe	Female Pipe	Orifice	O/A Length
144-PAR	1/4	1/4	1/16	1-3/16
144-PAR-0	1/4	1/4	NONE	1-3/16
166-PAR-0	3/8	3/8	NONE	1-5/14

Pipe Plugs & Fittings



**Square Head
BPPSQ-Size
Parker 211P**



**Flush Plug
BFCH-Size**



**Hex Head
BPPHH-Size
Parker 218P**



**Counter Sunk
BPPCH-Size
Parker 219P**



**Slotted Plug
BPPSL-Size
Parker 220P**

90° Elbow



**BPE-Size
Parker 2200P**

Hex Reducer Bushing



**BRB-Size
Parker 209P**

Tee



**BPT-Size
Parker 2203P**

Cross



**BPCR-Size
Parker 2205P**

Union



**BPU-Size
Parker 212P**

Male Branch Tee



**MBPT-Size
Parker 2224P**

Coupling



**BPC-Size
Parker 207P/208P**

Hex Nipple



**BHN-Size
Parker 216P**

Bulkhead Coupling



**207ACBH-Size
Parker 207ACBH**

Street Tee



**BPST-Size
Parker 2225P**

Brass Pipe Nipples

Standard sizes are Close through 6 inches

*Other sizes available upon request



Parker 215PN(L)

Size	Part Number
1/8	2BN x Size
1/4	4BN x Size
3/8	6BN x Size
1/2	8BN x Size
3/4	12BN x Size
1"	16BN x Size

Full Port Forged Ball Valves



Stock valve sizes: 1/4" to 3"

Part Number: Size-Ball-Valve

*Other types available upon request

Brass Compression Fittings

Sleeve



60F-Size

Nut



61F-Size

Union



62F-Size

Union Tee



64F-Size

Union Elbow



65F-Size

Female Coupling



66F-Size

Male Coupling



68F-Size

Male Elbow



69F-Size

Female Elbow



70F-Size

Run Tee



71F-Size

Drop Tee



72F-Size

90° Dot Elbows

Part Number	Female Pipe	Male Pipe	Center Line	Body Size	O/A Length
92-428 PE-S	1/8	1/4-28	1/2	1/2	3/4
92-121 PE-S	1/8	1/16	19/32	1/2	1"
922 PES-S	1/8	1/8	9/16	1/2	7/8
922 PE-S	1/8	1/8	3/4	1/2	1"
922-PEL-S	1/8	1/8	7/8	1/2	1-1/8
924 PE-S	1/8	1/4	1"	11/16	1-3/8
944 PE-S	1/4	1/4	1"	11/16	1-3/8
966 PE-S	3/8	3/8	1-1/4	3/4	1-1/2
988 PE-S	1/2	1/2	1-3/8	1"	1-3/4

**922-PE-S****45° Dot Elbows**

Part Number	Female Pipe	Male Pipe	Center Line	Body Size	O/A Length
42-428 PE-S	1/8	1/4-28	21/32	1/2	13/16
422 PE-S	1/8	1/8	7/8	1/2	1"
444 PE-S	1/4	1/4	1-1/8	11/16	1-3/8

**422-PE-S****Extension Adapters**

Part Number	Female Pipe	Male Pipe	O/A Length
12-1032 PA-S	1/8	10/32	5/8
12-428 PA-S	1/8	1/4-28	7/8
121 PA-S	1/8	1/16	7/8
122 PA-S	1/8	1/8	3/4
122 PAL-S	1/8	1/8	1-1/4
142 PA-S	1/4	1/8	1-1/4
144 PA-S	1/4	1/4	1-3/8
166 PA-S	3/8	3/8	1-1/2
Metric Steel Extension Adapters			
12-M5-PA-S	1/8	M5	5/8

**12-428-PA-S****Parker FG**

Steel Suction Hose Barbs

CP Specialty Products LLC

Male Pipe Barb



Part Number	Size
SM-11212	3/4
SM-11616	1"
SM-12020	1-1/4
SM-12424	1-1/2
SM-13232	2"

Combination Nipple



Part Number	Size
HAS-3	3/4
HAS-4	1"
HAS-5	1-1/4
HAS-6	1-1/2
HAS-8	2"
HAS-10	2-1/2

37° JIC Swivel Barb



Part Number	Size
SJS-11212	3/4
SJS-11616	1"
SJS-12020	1-1/4
SJS-12424	1-1/2
SJS-13232	2"

Heavy Duty Clamp



Part Number	Size
HDC-12	3/4
HDC-16	1"
HDC-20	1-1/4
HDC-24	1-1/2
HDC-32	2"

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Steel Fitting Cross Reference

SMS Steel	Parker Steel	Weather-head	Cross Ref -4	SMS Steel	Parker Steel	Weather-head	Cross Ref -4	SMS Steel	Parker Steel	Weather-head	Cross Ref -4
304-C	FNTX	5129	820	2701	WETX	5525	833	6500	C6X	5506	622
306	WLN	5924	924	2702	WNTX	5375	837	6501	X6EF	5406	627
318	BTX	5105	818	2703	WJTX	55725	834	6502	V6X	5356	623
319	TX	5165	819	2704	WJTX	5276	835	6505	F60X	9100	618
1404	0107	9205	604	2705	WGTX	5275	831	6506	G6X	-	621
1405	0207	9255	605	2706	WFTX	-	840	6600	S6X	5707	625
1501	2107	9405	601	5000	GG	3309	910	6602	R6X	5706	626
1502	2207	9455	602	5404	FF	3069	911	6801	C50X	5515	522
1503	3107	9355	606	5405	FG	3209	909	6801L	CC50X	5515L	522L
1504	3207	9385	607	5406	PTR	3109	912	6801LL	CCC50X	5515LL	522LL
1601	217T	9406	608	5406P	HP	3159	932P	6802	V50X	5365	523
1602	227T	9456	609	5500	CR	3529	920	6803	S50X	5715	525
1603	077T	9705	603	5501	-	-	5501	6804	R50X	5716	526
2403	HTX	5305	815	5502	CD	3409	914	6805	AEOG	3459	528
2403LH	LHTX	5306	815LH	5503	CD45	3359	915	6806	-	3569	527
2404	FTX	5205	816	5504	DD	3509	916	6807	-	-	C50C50S
2405	GTX	5255	854	5505	DD45	3559	925	6809	AOEX6	-	620
2406	TRTX	5015	860	5602	MRO	3759	921	6900	0507	9315	619
2408	PNTX	5229	806	5603	-	3805	923	6901	2507	9515	620P
2500	ETX	5505	821	5604	MMS	3609	922	6902	3507	9365	612
2501	CTX	5405	822	5605	MMO	3709	917	SPPCH	HHP/01HP	C3169	932
2501L	CCTX	5425	877	5652	KMMO O	3959	918	FPSCH	-	-	-
2501LL	CCCTX	5435	878	6400	F50X	5315	516	SPPSQ	SHP	C3179	-
2502	DTX	5455	855	6400L	FF50X	5316	516-L	122-PAS	FG-(R)	C3209	909DSS
2503	VTX	5355	823	6401	F50F	3249	617	122-PAL-S	-	-	909DS
2601	STX	5605	825	6402	F65X	5216	500	122-PAL-1-S	-	-	909DL
2602	OTX	5655	856	6404	FHG5	3239	509	922-PES-S	-	-	914DSS
2603	JTX	5705	824	6405	F50G	3269	507	9--PE-S	-	-	914DS
2605	RTX	5755	826	6407	F50HA0	5314	F50F50S	9--PEL-S	-	-	914DL
2606	MTX	5805	857	6408	P50N	7237	506	92-428-PE-S	-	-	914-4282-DS
2650	KTX	5955	827	6409	HP50N	7238	506S	4--PE-S	-	-	915DS
2700	WTX	5325	832	6410	F50G5	8033	508	-	-	-	-

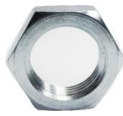
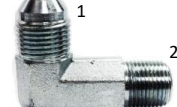
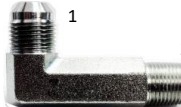
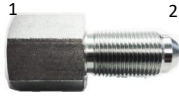
Size Chart

Nominal Size	Dash Size	National Pipe Thread (NPT)	SAE 37° Flare (JIC)	SAE 45° Flare	O-Ring Boss (ORB)
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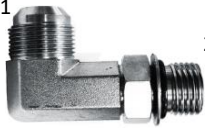
Nominal size usually refers to inside pipe diameter or outside tube diameter.



1/8"	-02	1/8-27	5/16-24	5/16-24	5/16-24
3/16"	-03		3/8-24	3/8-24	3/8-24
1/4"	-04	1/4-18	7/16-20	7/16-20	7/16-20
5/16"	-05		1/2-20	1/2-20	1/2-20
3/8"	-06	3/8-18	9/16-18	5/8-18	9/16-18
7/16"	-07			11/16-16	
1/2"	-08	1/2-14	3/4-16	3/4-16	3/4-16
5/8"	-10		7/8-14	7/8-14	7/8-14
3/4"	-12	3/4-14	1-1/16-12	1-1/16-14	1-1/16-12
7/8"	-14		1-3/16-12	1-1/4-12	1-3/16-12
1"	-16	1-11-1/2	1-5/16-12	1-3/8-12	1-5/16-12
1-1/4"	-20	1-1/4-11-1/2	1-5/8-12		1-5/8-12
1-1/2"	-24	1-1/2-11-1/2	1-7/8-12		1-7/8-12
2"	-32	2-11-1/2	2-1/2-12		2-1/2-12

Nuts, Sleeves, Locknuts	 304-C- Cap Nut	 306- Bulkhead Locknut	 318- Tube Nut	 319- Tube Sleeve	
Straights	 2403- (1&2) Male Tube Union	 2403-LH - (Large Hex) (1&2) Male Tube Union	 2404- (1) Male Tube (2) Male Pipe	 2404-L- (Long) (1) Male Tube (2) Male Pipe	 2404-LL- (Ex-Long) (1) Male Tube (2) Male Pipe
 2405- (1) Male Tube (2) Female Pipe	 2406-Reducer (1) 37° Female (2) Male Tube	 2408- Plug (1) Male Tube	Elbows	 2500-90° (1&2) Male Tube	 2501-90° (1) Male Tube (2) Male Pipe
 2501-L 90° (Long) (1) Male Tube (2) Male Pipe	 2501-LL 90°(Ex-Long) (1) Male Tube (2) Male Pipe	 2502-90° (1) Male Tube (2) Female Pipe	 2503-45° (1) Male Tube (2) Male Pipe	Tees, Crosses	 2601-Tee (1 & 2) Male Tube (3) Male Pipe
 2602-Tee (1 & 2) Male Tube (3) Female Pipe	 2603-Tee (1, 2, & 3) Male Tube	 2605-Tee (1&3) Male Tube (2) Male Pipe	 2606-Tee (1 & 3) Male Tube (2) Female Pipe	 2650- Cross (1, 2, 3, & 4) Male Tube	
Bulkheads	 2700-Str. (1) Male Tube (2) Bulkhead	 2701-90° (1) Male Tube (2) Bulkhead	 2702-45° (1) Male Tube (2) Bulkhead	 2705-Str. (1) Female Pipe (2) Bulkhead	 2706-Str. (1) Male Pipe (2) Bulkhead
Swivels	 6500-90° (1) Male Tube (2) 37° Female Swivel	 6501-90° (1) Male Pipe (2) 37° Female Swivel	 6502-45° (1) Male Tube (2) 37° Female Swivel	 6504-Str. (1) Male Tube (2) 37° Female Swivel	 6505-Str. (1) Male Pipe (2) 37° Female Swivel
 6506-Str. (1) Female Pipe (2) 37° Female Swivel	 6600-Tee (1 & 2) Male Tube (3) 37° Female Swivel	 6602-Tee (1 & 3) Male Tube (2) 37° Female Swivel			

Adapter Unions	 1404- Str. (1) Male Pipe (2) Female Pipe Swivel	 1405- Str. (1) Female Pipe (2) Female Pipe Swivel	 1501- 90° (1) Male Pipe (2) Female Pipe Swivel	 1502- 90° (1) Female Pipe (2) Female Pipe Swivel	
 1503- 45° (1) Male Pipe (2) Female Pipe Swivel	 1601- Tee (1) Male Pipe (2 & 3) Female Pipe Swivel	Straights	 5000- Str. (1 & 2) Female Pipe	 5404- Str. (1 & 2) Male Pipe	 5405- Str. Reducer (1) Male Pipe (2) Female Pipe
 5406- Bushing (1) Male Pipe (2) Female Pipe	Plugs	 5406-P - Ext. Hex Plug (1) Male Pipe	 SPPCH - Hex Socket (1) Male Pipe	 FPSCH - Flush Plug (1) Male Pipe	 SPPSQ - Square Head (1) Male Pipe
Elbows	 5500- 90° (1 & 2) Male Pipe	 5502- 90° (1) Male Pipe (2) Female Pipe	 5503- 45° (1) Male Pipe (2) Female Pipe	 5504- 90° (1 & 2) Female Pipe	 5505- 45° (1 & 2) Female Pipe
Tees, Crosses	 5602- Tee (1) Male Pipe (2 & 3) Female Pipe	 5603- Tee (1 & 3) Male Pipe (2) Female Pipe	 5604- Tee (1 & 2) Female Pipe (3) Male Pipe	 5605- Tee (1, 2, & 3) Female Pipe	 5652- Cross (1, 2, 3, & 4) Female Pipe

Straights	12  6400- Str. (1) Male Tube (2) Male O-Ring	12  6401- Str. (1) Male O-Ring (2)Male Pipe	12  6402- Str. (1) Male O-Ring (2) 37° Female Swivel	12  6404- Str. (1) Female O-Ring (2) Male Pipe	
	12  6405- Str. (1) Male O-Ring (2) Female Pipe	12  6407- Str. (1) Male O-Ring (2) Adjustable O-Ring	1  6408- Plug (1) Male O-Ring -Ext. Hex	1  6409- Plug (1) Male O-Ring -Int. Hex	
Elbows	12  6801- 90° (1) Male Tube (2) Adjustable O-Ring	12  6801-L- 90° (Long) (1) Male Tube (2) Adjustable O-Ring	12  6801-LL- 90° (Ex-Long) (1) Male Tube (2) Adjustable O-Ring	12  6802- 45° (1) Male Tube (2) Adjustable O-Ring	12  6805- 90° (1) Adjustable O-Ring (2) Female Pipe
	12  6806- 90° (1) Adjustable O-Ring (2) Male Pipe	12  6807- 90° (1 & 2) Adjustable O-Ring	12  6808- 45° (1 & 2) Adjustable O-Ring	12  6809- 90° (1) Adjustable O-Ring (2) 37° Female Swivel	12  6901- 90° (1) Adjustable O-Ring (2) Female Pipe Swivel
Tees	123  6803- Tee (1 & 2) Male Tube (3) Adjustable O-Ring	123  6804- Tee (1 & 3) Male Tube (2) Adjustable O-Ring			

Nickel Plated Brass Straights

Straight Union



562-X1-X1

Female Connector



566-X1-X2

Bulkhead Union



582-X1-X1

Male Connector



P568-X1-X2

Nickel Plated Brass 90°

Union Elbow



565-X1-X1

Male Elbow



569-X1-X2

Male Swivel Elbow



579-X1-X2

- X1= Tube Size
- X2= Pipe Thread

Nickel Plated Brass Tee

Union Tee



564-X1-X1

Male Swivel Run Tee



571-X1-X2

Male Swivel Branch Tee



572-X1-X2

Plastic Male Swivel

Male Swivel Run Tee



P571-X1-X2

Male Swivel Elbow



P579-X1-X2

Union Y Male Swivel



P543-X1-X2

Male Swivel Branch Tee



P572-X1-X2

- X1= Tube Size
- X2= Pipe Thread

Plastic Union

Straight Union



P562-X1-X1

Y Union



P541-X1-X1

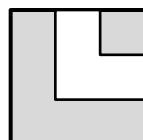
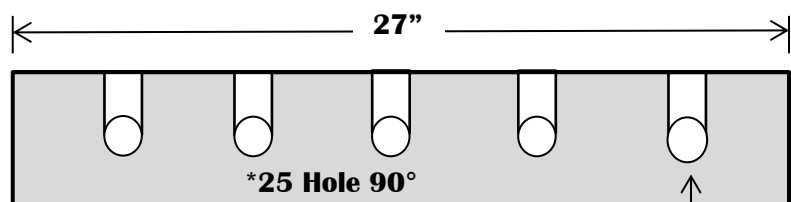
Union Tee



P564-X1-X1

25 Hole 90° Header Block

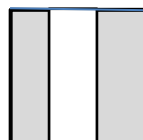
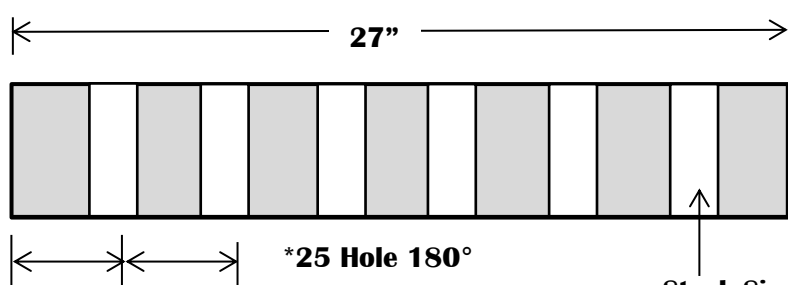
Material	Part Number	Thread Size
Aluminum	J21613A	1/8 NPTF
Aluminum	J21113A	1/4 NPTF
Steel	J21613	1/8 NPTF
Steel	J21113	1/4 NPTF



Stock Sizes:
1/8 NPTF
1/4 NPTF

25 Hole 180° Header Block

Material	Part Number	Thread Size
Aluminum	J21612A	1/8 NPTF
Aluminum	J21112A	1/4 NPTF
Steel	J21612	1/8 NPTF
Steel	J21112	1/4 NPTF



Stock Sizes:
1/8 NPTF
1/4 NPTF

Header Blocks can be manufactured to your specifications including number & size of ports, tee shape ports, SAE, BSPP, and BSPT ports, for immediate delivery.

2 & 3 Port Aluminum

Multi-feed, tee shape ports, SAE, BSPP, BSPT, and other custom manifolds available upon request.

*For a 90° add a -90 to the end of the part number

Part Number	Inlet Size (NPT)	Number of Ports	Port Size (NPT)	Overall Length
SM4-2-2	1/4	2	1/8	1.75
SM6-2-2	3/8	2	1/8	2.37
SM6-2-4	3/8	2	1/4	2.37
SM8-2-4	1/2	2	1/4	2.75
SM8-2-6	1/2	2	3/8	2.75
SAM4-2-2	1/4	2	1/8	3.25
SAM6-2-2	3/8	2	1/8	3.25
SAM6-2-4	3/8	2	1/4	3.25
SAM8-2-4	1/2	2	1/4	3.25
SAM8-2-6	1/2	2	3/8	3.25
SM16-2-4	1"	2	1/4	5.25
SM16-2-6	1"	2	3/8	5.25
SM16-2-8	1"	2	1/2	5.25
SM16-2-12	1"	2	3/4	6.00
SM20-2-4	1-1/4"	2	1/4	5.25
SM20-2-6	1-1/4"	2	3/8	5.25
SM20-2-8	1-1/4"	2	1/2	5.25
SM20-2-12	1-1/4"	2	3/4	6.00
SM4-3-2	1/4	3	1/8	2.50
SM6-3-2	3/8	3	1/8	3.25
SM6-3-4	3/8	3	1/4	3.25
SM8-3-4	1/2	3	1/4	3.75
SM8-3-6	1/2	3	3/8	3.75
SAM4-3-2	1/4	3	1/8	4.75
SAM6-3-2	3/8	3	1/8	4.75
SAM6-3-4	3/8	3	1/4	4.75
SAM8-3-4	1/2	3	1/4	4.75
SAM8-3-6	1/2	3	3/8	4.75
SM16-3-4	1"	3	1/4	7.50
SM16-3-6	1"	3	3/8	7.50
SM16-3-8	1"	3	1/2	7.50
SM16-3-12	1"	3	3/4	9.00
SM20-3-4	1-1/4"	3	1/4	7.50
SM20-3-6	1-1/4"	3	3/8	7.50
SM20-3-8	1-1/4"	3	1/2	7.50
SM20-3-12	1-1/4"	3	3/4	9.00

4 & 5 Port Aluminum

Part Number	Inlet Size (NPT)	Number of Ports	Port Size (NPT)	Overall Length
SM4-4-2	1/4	4	1/8	3.25
SM6-4-2	3/8	4	1/8	4.12
SM6-4-4	3/8	4	1/4	4.12
SM8-4-4	1/2	4	1/4	4.75
SM8-4-6	1/2	4	3/8	4.75
SAM4-4-2	1/4	4	1/8	6.25
SAM6-4-2	3/8	4	1/8	6.25
SAM6-4-4	3/8	4	1/4	6.25
SAM8-4-4	1/2	4	1/4	6.25
SAM8-4-6	1/2	4	3/8	6.25
SM16-4-4	1"	4	1/4	9.75
SM16-4-6	1"	4	3/8	9.75
SM16-4-8	1"	4	1/2	9.75
SM16-4-12	1"	4	3/4	12.00
SM20-4-4	1-1/4"	4	1/4	9.75
SM20-4-6	1-1/4"	4	3/8	9.75
SM20-4-8	1-1/4"	4	1/2	9.75
SM20-4-12	1-1/4"	4	3/4	12.00
SM4-5-2	1/4	5	1/8	4.00
SM6-5-2	3/8	5	1/8	5.00
SM6-5-4	3/8	5	1/4	5.00
SM8-5-4	1/2	5	1/4	5.75
SM8-5-6	1/2	5	3/8	5.75
SAM4-5-2	1/4	5	1/8	7.50
SAM6-5-2	3/8	5	1/8	7.50
SAM6-5-4	3/8	5	1/4	7.75
SAM8-5-4	1/2	5	1/4	7.75
SAM8-5-6	1/2	5	3/8	7.75
SM16-5-4	1"	5	1/4	12.00
SM16-5-6	1"	5	3/8	12.00
SM16-5-8	1"	5	1/2	12.00
SM16-5-12	1"	5	3/4	15.00
SM20-5-4	1-1/4"	5	1/4	12.00
SM20-5-6	1-1/4"	5	3/8	12.00
SM20-5-8	1-1/4"	5	1/2	12.00
SM20-5-12	1-1/4"	5	3/4	15.00

6 & 7 Port Aluminum

Part Number	Inlet Size (NPT)	Number of Ports	Port Size (NPT)	Overall Length
SM4-6-2	1/4	6	1/8	4.75
SM6-6-2	3/8	6	1/8	5.88
SM6-6-4	3/8	6	1/4	5.88
SM8-6-4	1/2	6	1/4	6.75
SM8-6-6	1/2	6	3/8	6.75
SAM4-6-2	1/4	6	1/8	9.25
SAM6-6-2	3/8	6	1/8	9.25
SAM6-6-4	3/8	6	1/4	9.25
SAM8-6-4	1/2	6	1/4	9.25
SAM8-6-6	1/2	6	3/8	9.25
SM16-6-4	1"	6	1/4	14.25
SM16-6-6	1"	6	3/8	14.25
SM16-6-8	1"	6	1/2	14.25
SM16-6-12	1"	6	3/4	18.00
SM20-6-4	1-1/4"	6	1/4	14.25
SM20-6-6	1-1/4"	6	3/8	14.25
SM20-6-8	1-1/4"	6	1/2	14.25
SM20-6-12	1-1/4"	6	3/4	18.00
SM4-7-2	1/4	7	1/8	5.50
SM6-7-2	3/8	7	1/8	6.75
SM6-7-4	3/8	7	1/4	6.75
SM8-7-4	1/2	7	1/4	7.75
SM8-7-6	1/2	7	3/8	7.75
SAM4-7-2	1/4	7	1/8	10.75
SAM6-7-2	3/8	7	1/8	10.75
SAM6-7-4	3/8	7	1/4	10.75
SAM8-7-4	1/2	7	1/4	10.75
SAM8-7-6	1/2	7	3/8	10.75
SM16-7-4	1"	7	1/4	10.75
SM16-7-6	1"	7	3/8	16.50
SM16-7-8	1"	7	1/2	16.50
SM16-7-12	1"	7	3/4	21.00
SM20-7-4	1-1/4"	7	1/4	16.50
SM20-7-6	1-1/4"	7	3/8	16.50
SM20-7-8	1-1/4"	7	1/2	16.50
SM20-7-12	1-1/4"	7	3/4	21.00

8, 9, & 10 Port Manifolds

Part Number	Inlet Size (NPT)	Number of Ports	Port Size (NPT)	Overall Length
SM4-8-2	1/4	8	1/8	6.25
SM6-8-2	3/8	8	1/8	7.62
SM6-8-4	3/8	8	1/4	7.62
SM8-8-4	1/2	8	1/4	8.75
SM8-8-6	1/2	8	3/8	8.75
SAM4-8-2	1/4	8	1/8	12.25
SAM6-8-2	3/8	8	1/8	12.25
SAM6-8-4	3/8	8	1/4	12.25
SAM8-8-4	1/2	8	1/4	12.25
SAM8-8-6	1/2	8	3/8	12.25
SM16-8-4	1"	8	1/4	18.75
SM16-8-6	1"	8	3/8	18.75
SM16-8-8	1"	8	1/2	18.75
SM16-8-12	1"	8	3/4	24.00
SM20-8-4	1-1/4"	8	1/4	18.75
SM20-8-6	1-1/4"	8	3/8	18.75
SM20-8-8	1-1/4"	8	1/2	18.75
SM20-8-12	1-1/4"	8	3/4	24.00
SM4-9-2	1/4	9	1/8	7.00
SM6-9-2	3/8	9	1/8	8.50
SM6-9-4	3/8	9	1/4	8.50
SM8-9-4	1/2	9	1/4	9.75
SM8-9-6	1/2	9	3/8	9.75
SAM4-9-2	1/4	9	1/8	13.75
SAM6-9-2	3/8	9	1/8	13.75
SAM6-9-4	3/8	9	1/4	13.75
SAM8-9-4	1/2	9	1/4	13.75
SAM8-9-6	1/2	9	3/8	13.75
SM4-10-2	1/4	10	1/8	7.75
SM6-10-2	3/8	10	1/8	9.38
SM6-10-4	3/8	10	1/4	9.38
SM8-10-4	1/2	10	1/4	10.75
SM8-10-6	1/2	10	3/8	10.75
SAM4-10-2	1/4	10	1/8	15.25
SAM6-10-2	3/8	10	1/8	15.25
SAM6-10-4	3/8	10	1/4	15.25
SAM8-10-4	1/2	10	1/4	15.25
SAM8-10-6	1/2	10	3/8	15.25

Octagon Anodized Aluminum Manifolds & Clamps

Part Number	Inlet Size (NPT)	Number of Ports	Port Size (NPT)	Overall Length
OFFSET PORT				
SMA13-84	3/4	8	1/4	10.50
SMA13-86	3/4	8	3/8	10.50
SMB12-84	1	8	1/4	10.50
SMB12-86	1	8	3/8	10.50
SMC13-84	1-1/4	8	1/4	11.00
SMC13-86	1-1/4	8	3/8	11.00
SMD12-86	1-1/2	8	3/8	11.00
SMD12-88	1-1/2	8	1/2	11.00
SMA13-164	3/4	16	1/4	18.50
SMA13-166	3/4	16	3/8	18.50
SMB12-164	1	16	1/4	18.50
SMB12-166	1	16	3/8	18.50
SMC13-164	1-1/4	16	1/4	19.00
SMC13-166	1-1/4	16	3/8	19.00
SMD12-166	1-1/2	16	3/8	19.00
SMD12-168	1-1/2	16	1/2	19.00
STRAIGHT INLINE PORT				
SMA1-44	3/4	4	1/4	10.50
SMA1-46	3/4	4	3/8	10.50
SMB1-44	1	4	1/4	10.50
SMB1-46	1	4	3/8	10.50
SMC1-44	1-1/4	4	1/4	11.00
SMC1-46	1-1/4	4	3/8	11.00
SMD1-46	1-1/2	4	3/8	11.00
SMD1-48	1-1/2	4	1/2	11.00
SMA1-84	3/4	8	1/4	18.50
SMA1-86	3/4	8	3/8	18.50
SMB1-84	1	8	1/4	18.50
SMB1-86	1	8	3/8	18.50
SMC1-84	1-1/4	8	1/4	19.00
SMC1-86	1-1/4	8	3/8	19.00
SMD1-86	1-1/2	8	3/8	19.00
SMD1-88	1-1/2	8	1/2	19.00
CLAMPS				
SMA-C	Use on manifolds with 3/4" inlet			
SMB-C	Use on manifolds with 1" inlet			
SMC-C	Use on manifolds with 1-1/4" inlet			
SMD-C	Use on manifolds with 1-1/2" inlet			



37° Male Junction Adapter



Part Number	Tube Size
B-10-4	1/4
B-10-6	3/8
B-10-8	1/2
B-10-10	5/8
B-16-4	1/4
B-16-6	3/8
B-16-8	1/2
B-16-10	5/8
B-16-12	3/4
B-16-14	7/8
B-16-16	1

The B-10 is used with the HC-10 series clamp and the B-16 is used with the HC-16 series or HC-32 if using the Multi-Clamp Bulkhead spacer.

*Part # HC-32-BS-16

Female Junction Adapter



Part Number	Thread Size
BSAE-10-8	3/4-16 SAE
BSAE-16-12	1-1/16-12 SAE
BSAE-32-20	1-5/8-12 SAE



Clamping Unit

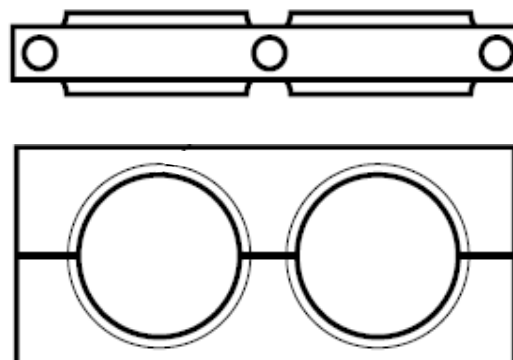


Part Number	Overall Length	Number of Holes
HC-10-2	2-15/16	2
HC-10-3	4-13/32	3
HC-10-4	5-15/16	4
HC-10-5	7-9/64	5
HC-10-6	8-15/16	6
HC-10-7	10-3/16	7
HC-10-32	48	32
HC-16-2	3-7/8	2
HC-16-3	5-41/64	3
HC-16-4	7-57/64	4
HC-16-5	9-43/64	5
HC-16-6	11-43/64	6
HC-16-7	13-5/8	7
HC-16-24	48	24
HC-32-2	6-49/64	2
HC-32-3	8-45/64	3
HC-32-4	11-45/64	4
HC-32-5	14-45/64	5
HC-32-6	17-45/64	6
HC-32-16	48	16



Clamping Unit With Outside Mounting Holes

Part Number	Overall Length	Number of Holes
HC-10-1-2	2-3/16	1
HC-10-2-3	3-51/64	2
HC-10-3-4	5-19/64	3
HC-10-4-5	6-51/64	4
HC-10-5-6	8-19/64	5
HC-16-1-2	2-21/32	1
HC-16-2-3	4-49/64	2
HC-16-3-4	6-51/64	3
HC-16-4-5	8-51/64	4
HC-32-1-2	4	1
HC-32-2-3	6-55/64	2
HC-32-3-4	9-55/64	3
HC-32-4-5	12-55/64	4



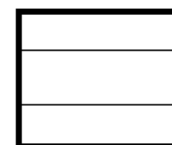
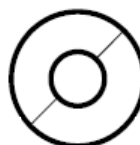
Split Bushing For Tube & Pipe

Part Number	Tube Size	Clamp series	Pieces Per Bag
G-10-3	3/16	HC-10	35
G-10-4	1/4	HC-10	35
G-10-5	5/16	HC-10	35
G-10-6	3/8	HC-10	35
G-10-8	1/2	HC-10	35
G-10-10	5/8	HC-10	35
G-10-12	3/4	HC-10	35
G-16-4*	1/4	HC-16	25
G-16-5	5/16	HC-16	25
G-16-6*	3/8	HC-16	25
G-16-8*	1/2	HC-16	25
G-16-10	5/8	HC-16	25
G-16-12*	3/4	HC-16	25
G-16-14	7/8	HC-16	25
G-16-16	1	HC-16	25

Part numbers with a * at the end are also available for **Pipe**. When ordering add **-P** to the part number.



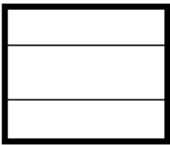
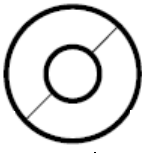
Split Bushings Sold in Bag Quantity



Split Bushing For Tube & Pipe



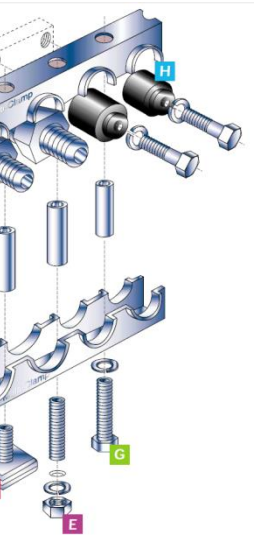
Part Number	Tube Size	Clamp	Series	Pieces Per Bag
G-32-4	1/4	HC	32	12
G-32-6	3/8	HC	32	12
G-32-8	1/2	HC	32	12
G-32-10	5/8	HC	32	12
G-32-12*	3/4	HC	32	12
G-32-14	7/8	HC-32		12
G-32-1				12
G-32-2				12
G-32-2				12
G-32-2				12
G-32				12



& Weld Adapter

Stacking Nut	Thread Adapter	Weld Adapter	Clamp Series
N-10	T-10	W-10	HC-10
N-16	T-10	W-16	HC-16
N-32	T-32	W-32	HC-32

Stacking Nuts & Thread Adapters are sold in bag quantities.
T-10, & T-32 have 50 pieces per bag. N-32 has 25 pieces per bag.

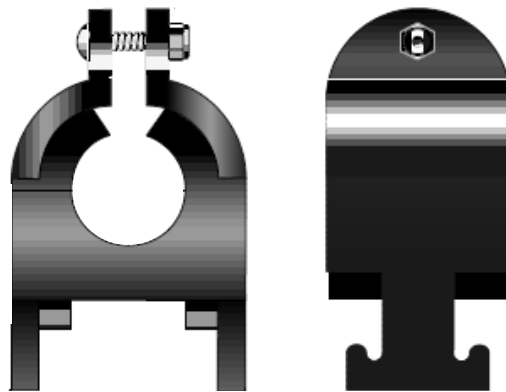




Walker-Strut Clamp

Part Number	Tube Size
WS-04*	1/4
WS-06*	3/8
WS-08*	1/2
WS-10	5/8
WS-12*	3/4
WS-14	7/8
WS-16*	1
WS-18	1-1/8
WS-20*	1-1/4
WS-22	1-3/8
WS-24*	1-1/2
WS-26	1-5/8
WS-28	1-3/4
WS-30	1-7/8
WS-32*	2
WS-34	2-1/8
WS-36	2-1/4
WS-38	2-3/8
WS-40*	2-1/2
WS-42	2-5/8
WS-46	2-7/8
WS-48*	3

Part numbers with a * at the end are also available for **Pipe**. When ordering add **-P** to the part number.



**Walker-Strut Clamps sold in bag quantities.
5 pieces per bag.**

UniStrut

For Hydro-Craft items not listed in this catalog speak with a customer service representative at **586.415.0455**.

Call Customer Service at **586-415-0455** to get information about the UniStrut products.

Hydraulic Tubing

Hydraulic tubing is sold in **20 Ft. lengths** and available in the following: Welded, Seamless, Stainless Steel, Wrot Copper, Zinc Dichromate, and Metric Sizes.

Hydraulic Tubing				
Outside Diameter (OD)	Dec. Wall-In.	Inside Diameter (ID)	Weight Lbs./Ft	Est. Burst Pressure
1/8	.028	.069	.0290	20,160
	.030	.065	.3040	21,600
3/16	.028	.131	.0478	13,404
	.035	.118	.0572	16,755
	.049	.089	.0727	23,457
1/4	.028	.194	.0664	10,080
	.035	.180	.0804	12,600
	.049	.152	.1052	17,640
	.065	.120	.1284	23,400
5/16	.035	.243	.1039	10,096
	.049	.215	.1382	14,135
	.065	.183	.1722	18,750
	.083	.146	.2039	23,942
3/8	.028	.319	.1038	6,720
	.035	.305	.1271	8,400
	.049	.277	.1706	11,760
	.058	.259	.1964	13,920
	.065	.245	.2152	15,600
1/2	.035	.430	.1738	6,300
	.049	.402	.2360	8,820
	.065	.370	.3020	11,700
	.083	.334	.3696	14,940
	.095	.310	.4109	17,100
5/8	.035	.555	.2205	5,040
	.049	.527	.3014	7,056
	.065	.495	.3888	9,360
	.083	.459	.4805	11,952
	.095	.435	.5377	13,680

Hydraulic Tubing

Hydraulic Tubing				
Outside Diameter (OD)	Dec. Wall-In.	Inside Diameter (ID)	Weight Lbs./Ft	Est. Burst Pressure
3/4	.035	.680	.2673	4,200
	.049	.652	.3668	5,880
	.065	.620	.4755	7,800
	.072	.606	.5214	8,640
	.083	.584	.5913	9,960
	.095	.560	.6646	11,400
	.109	.532	.7462	13,080
	.120	.510	.8074	14,400
7/8	.035	.805	.3140	3,600
	.049	.777	.4323	5,040
	.065	.745	.5623	6,686
	.083	.709	.7021	8,537
	.095	.685	.7914	9,771
	.109	.657	.8917	11,211
	.120	.635	.9676	12,343
1	.035	.930	.3607	3,150
	.049	.902	.4977	4,410
	.065	.870	.6491	5,850
	.083	.834	.8129	7,470
	.095	.810	.9182	8,550
	.109	.782	1.0370	9,810
	.120	.760	1.1280	10,800
1-1/8	.065	.995	.7359	5,200
	.120	.885	1.2880	9,600
1-1/4	.049	1.152	.6290	3,528
	.065	1.120	.8230	4,680
	.083	1.084	1.034	5,976
	.095	1.060	1.172	6,840
	.109	1.032	1.328	7,848
	.120	1.010	1.448	8,640

Hydraulic Tubing

Hydraulic Tubing				
Outside Diameter (OD)	Dec. Wall-In.	Inside Diameter (ID)	Weight Lbs./Ft	Est. Burst Pressure
1-1/2	.065	1.370	.996	3,900
	.083	1.334	1.256	4,980
	.095	1.310	1.426	5,700
	.109	1.282	1.619	6,540
	.120	1.260	1.769	7,200
	.134	1.232	1.955	8,040
2	.065	1.870	1.343	2,925
	.095	1.810	1.933	4,275
	.120	1.760	2.409	5,400
	.134	1.732	2.760	6,030



Bundy Tubing

Bundy tubing is sold in **20 Ft. lengths.**

Outside Diameter (OD)	Wall Thickness-In.
3/16	.028
1/4	.028
3/8	.028



Pneumatic Tubing

Nylon and Polyethylene Tubing listed is Nycoil. Other brands are also available.

NYLON TUBING												
Tube O.D.	Tube I.D.	Wall Thickness	Part Number			Min. Bend Radius	Weight	Working Pressure		Burst Pressure	Color Code	
			100'	500'	1000'			PSI@68°F	PSI@125°F		Suffix Key	
Inch	Inch	Inch	Reel	Reel	Reel	inch	1000' (lbs)					
1/8	.080	.023	6121_	6521_	6021_	1/4	3.3	500	350	1500		
1/8	.093	.016	6122_	6522_	6022_	1/2	2.5	267	187	800	0 =	NATURAL
5/32	.106	.025	6123_	6523_	6023_	5/8	4.8	333	233	1000	1 =	BLACK
3/16	.137	.025	6133_	6533_	6033_	3/4	5.8	267	187	800	2 =	RED
1/4	.180	.035	6144_	6544_	6044_	7/8	10.9	333	233	1000	3 =	BLUE
1/4	.125	.062	6146_	6546_	6046_	1-1/4	16.9	667	467	2000	4 =	GREEN
1/4	.170	.040	6147_	6547_	6047_	7/8	12.2	400	280	1200	5 =	YELLOW
5/16	.232	.040	6155_	6555_	6055_	1	15.7	333	233	1000	6 =	ORANGE
3/8	.275	.050	6166_	6566_	6066_	1-1/4	23.3	333	233	1000	7 =	GRAY
1/2	.375	.062	6188_	6888_	6088_	2-1/4	39	267	187	800		

Polyethylene Fractional Inch Tubing												
Tube O.D.	Tube I.D.	Wall Thickness	Part Number			Min. Bend Radius	Weight	Working Pressure		Burst Pressure	Color Code	
			100'	500'	1000'			PSI@68°F	PSI@125°F		Suffix key	
Inch	Inch	Inch	Reel	Reel	Reel	Inch	1000' (lbs)					
1/4	0.170	0.040	6244_	6444_	6644_	3/4	10.9	167	107	500	0 =	Natural
5/16	0.190	0.062	6255_	6455_	6655_	5/8	20.2	200	128	600	1 =	Black
3/8	0.250	0.062	6266_	6466_	6666_	1-1/8	25.3	167	107	500	2 =	Red
1/2	0.375	0.062	6288_	6988_ *	6688_	2-1/8	35.5	133	85	400	3 =	Blue
Polyethylene Metric Tubing											4 =	Green
4 MM	2.5 MM	0.75 MM	7203_	7503_	7803_	12 MM	5.0	200	125	600	5 =	Yellow
6 MM	4 MM	1.00 MM	7206_	7506_	7806_	36 MM	10.2	167	110	500	6 =	Orange
8 MM	6 MM	1.00 MM	7208_	7508_	7808_	48 MM	14.2	117	70	350	7 =	Gray
10 MM	8 MM	1.00 MM	7211_	7511_	7811_	60 MM	18.3	83	50	250		
12 MM	9 MM	1.50 MM	7213_	7513_	7813_	70 MM	31.5	117	70	350		

Armor-Weld Spatter Resistant Fractional Size Tubing								
Part Number	Inner Tube O.D.	Inner Tube I.D.	Out Jacket Thickness	Bend Radius	W.P.@ 70°F (PSI)	3:1 Burst Pressure	Package Length	Package Weight (Lbs.)
LE532B_	.156 IN	.094 IN	.039 IN	.40 IN	200	600	250'	6.1
LE14B_	.250 IN	.156 IN	.039 IN	.59 IN	180	540	250'	8.65
LE516B_	.312 IN	.187 IN	.039 IN	.79 IN	175	525	250'	11.59
LE38B_	.375 IN	.250 IN	.039 IN	.98 IN	150	450	250'	15
LE12B_	.500 IN	.328 IN	.039 IN	1.17 IN	150	450	250'	23.2
Armor-Weld Spatter Resistant Metric Size Tubing								
LE04MF_	4 MM	2.5 MM	1 MM	10 MM	200	600	100 M	8
LE06MF_	6 MM	4 MM	1 MM	15 MM	180	540	100 M	10
LE08MF_	8 MM	5 MM	1 MM	20 MM	175	525	100 M	15.2
LE10MF_	10 MM	6.5 MM	1 MM	25 MM	150	450	100 M	21.6
LE12MF_	12 MM	8 MM	1 MM	30 MM	150	450	100 M	28

Spatter Resistant Stock Color Chart: • = Stock, X = Non Stock						
LE	BK= Black	G= Green	LB= Light Blue	R= Red	Y= Yellow	W= White
4MM/5/32	•	X	•	X	•	X
1/4	•	X	•	•	X	X
5MM/5/16	•	•	•	•	•	•
3/8	•	X	•	•	X	X
1/2	•	•	•	X	X	•
6MM	•	•	•	•	•	•
10MM	•	•	•	•	•	•
12MM	•	•	•	•	•	•

Black & Galvanized Pipe

Pipe comes in **21 Ft. lengths** and is available plain end (PE) or threaded with couplings. Also available in PVC.

Black & Galvanized Pipe		
Nominal Pipe Size	Sch 40 Wall Thickness (In.)	Sch 80 Wall Thickness (In.)
1/8	.068	.095
1/4	.088	.119
3/8	.091	.126
1/2	.109	.147
3/4	.113	.154
1	.133	.179
1-1/4	.140	.191
1-1/2	.145	.200
2	.154	.218
2-1/2	.203	.276
3	.216	.300
3-1/2	.226	.318
4	.237	.337
5	.258	.375



*U-Bolts for pipe can be found on
Pg 42

Malleable Pipe Fittings & Nipples

**Pipe Nipple****90° Elbow****45° Elbow****90° Street Elbow****45° Street Elbow****Cross****Cap****Tee****Merchant Coupling**

Fittings available in standard pipe thread, BSPP, & BSPT

Description	Black Part No.	Galvanized Part No.
Sch 40 Nipple	Size x Size - BSN	Size x Size - GSN
Sch 80 Nipple	Size x Size - EHN	N/A
90° Elbow	Size - MAL - 90	Size - GALV - 90
45° Elbow	Size - MAL - 45	Size - GALV - 45
90° Street Elbow	Size - STREET - 90	Size - GALV - STREET - 90
45° Street Elbow	Size - STREET - 45	Size - GALV - STREET - 45
Cross	Size - MAL - CROSS	Size - GALV - CROSS
Cap	Size - MAL - CAP	Size - GALV - CAP
Tee	Size - MAL - TEE	Size - GALV - TEE
Merchant Coupling	Size - MAL - COUPLING	Size - GALV - COUPLING
Bell Reducer	Size x Size - MAL - BELL	Size x Size - GALV - BELL
Union	Size - MAL - UNION	Size - GALV - UNION
Reducer Bushing	Size x Size - MAL - RED	Size x Size - GALV - RED
Square Head Plug	Size - MAL - PLUG	Size - GALV - PLUG

**Bell Reducer****Union****Reducer Bushing****Square Head Plug**

CONTINENTAL Push-On Hose



Other Push-On hose is available upon request.

ContiTech

Continental FLEXAGrip			
PART #	Color	Sizes	PSI
9272 - Size	Black	3/16	400
9273 - Size	Blue	1/4	400
9274 - Size	Gray	3/8	400
9275 - Size	Green	1/2	400
9276 - Size	Red	5/8	400
9277 - Size	Brown	3/4	400
9248 - Size	White	1	300



Continental FLEXAGrip can be used with any of the fittings found on pages 1-4.

CONTINENTAL Hydraulic Hose

Part Number	Hose I.D.	Max. Working Pressure P.S.I.	Min. Burst Pressure P.S.I.	Min. Bend Radius
100R Medium Pressure Continental 1-Wire Braid Hose				
1/4-100R1	1/4	3270	13080	4"
3/8-100R1	3/8	2615	10460	5"
1/2-100R1	1/2	2320	9280	7"
3/4-100R1	3/4	1530	6120	9-1/2"
1-100R1	1	1280	5120	12"
1-1/4-100R1	1-1/4	920	3680	16-1/2"
100R High Pressure Continental 2-Wire Braid Hose				
1/4-100R2	1/4	5800	23200	4"
3/8-100R2	3/8	4800	19200	5"
1/2-100R2	1/2	4000	16000	7"
3/4-100R2	3/4	3120	12480	9-1/2"
1-100R2	1	2400	9600	12"
1-1/4-100R2	1-1/4	1820	7280	16-1/2"



GOODYEAR Crimp-On Hose Ends		
PART NO.	DESCRIPTION	
93136 - Size	Female JIC Swivel Hose End	
93138 - Size	Female JIC Swivel Hose End 90°	
93110 - Size	Male Pipe Hose End	
93111 - Size	Male Pipe Swivel Hose End	

*Hose assemblies made to order.

Breather Vent

Part Number	Description
F-18	1/8 Brass Breather Vent
F-28	1/4 Brass Breather Vent
F-38	3/8 Brass Breather Vent
F-48	1/2 Brass Breather Vent
F-68	3/4 Brass Breather Vent

*For Nickel-Plated Iron use BVS-Size



F-Size



BVS-Size

Pneumatic Exhaust Muffler

Part Number	Description
P-18	1/8 EXHAUST MUFFLER BRASS
P-28	1/4 EXHAUST MUFFLER BRASS
P-38	3/8 EXHAUST MUFFLER BRASS
P-48	1/2 EXHAUST MUFFLER BRASS
P-68	3/4 EXHAUST MUFFLER BRASS

**Pneumatic Exhaust Muffler Nickel Plated**

Part Number	Description
BMS-18	1/8 EXHAUST MUFFLER NICKEL PLATED IRON
BMS-28	1/4 EXHAUST MUFFLER NICKEL PLATED IRON
BMS-38	3/8 EXHAUST MUFFLER NICKEL PLATED IRON
BMS-48	1/2 EXHAUST MUFFLER NICKEL PLATED IRON
BMS-68	3/4 EXHAUST MUFFLER NICKEL PLATED IRON



Grease Fittings



Part No.	Size	Degree
5000	1/8 Male Pipe Thread	Straight
5003	1/8 Male Pipe Thread 1-1/14 Long	Straight
5100	1/8 Male Pipe Thread	38°
5200	1/8 Male Pipe Thread	45°
5300	1/8 Male Pipe Thread	67°
5400	1/8 Male Pipe Thread	90°
5010	1/4-28 Thread- 17/32 Long	Straight
5014	1/4-28 Thread- 15/16 Long	Straight
5210	1/4-28 Thread	45°
5410	1/4-28 Thread	90°
5050	1/4 Male Pipe Thread	Straight
5350	1/4 Male Pipe Thread	67.5°
5033	3/16 Drive Type	Straight
5029	1/4 Drive Type	Straight
5030	5/16 Drive Type	Straight
5061	5/16-24 Thread	Straight
5062	3/8-24 Thread	Straight

Tube T-Clips



PART#	TUBE SIZE	DESCRIPTION
PCT-4-2	5/32	TUBE T-CLIP
PCT-6-2	1/4	TUBE T-CLIP
PCT-8-2	5/16	TUBE T-CLIP
PCT-10-2	3/8	TUBE T-CLIP
PCT-12-2	1/2	TUBE T-CLIP
PCT-15-2	5/8	TUBE T-CLIP
PCT-18-2	3/4	TUBE T-CLIP

Standard Tube Clips

TUBE CLIP SIZES							
1/8	3/16	1/4	3/8	5/16	1/2	5/8	3/4
1/8 x 1	3/16 x 1	1/4 x 1	3/8 x 1	5/16 x 1	1/2 x 1	5/8 x 1	3/4 x 1
1/8 x 2	3/16 x 2	1/4 x 2	3/8 x 2	5/16 x 2	1/2 x 2	5/8 x 2	3/4 x 2
1/8 x 3	3/16 x 3	1/4 x 3	3/8 x 3	5/16 x 3	1/2 x 3	5/8 x 3	3/4 x 3
1/8 x 4	3/16 x 4	1/4 x 4	3/8 x 4	5/16 x 4	1/2 x 4	5/8 x 4	3/4 x 4
1/8 x 5	3/16 x 5	1/4 x 5	3/8 x 5	5/16 x 5	1/2 x 5	5/8 x 5	
1/8 x 6	3/16 x 6	1/4 x 6	3/8 x 6		1/2 x 6	5/8 x 6	
1/8 x 7	3/16 x 7	1/4 x 7	3/8 x 7		1/2 x 7	5/8 x 7	
1/8 x 8	3/16 x 8	1/4 x 8	3/8 x 8		1/2 x 8	5/8 x 8	



Don't forget to
order self-
tapping screws
with tube clips!

Hydraulic Tube Clips are
Manufactured from
16 gauge material
they have
9/32" Holes
with
3/4" Wings
with the
exception of 1/8" tube clips,
which have
7/32" holes

**Metric Tube Clips**

Metric Tube Clip Sizes					
4MM	6MM	8MM	10MM	12MM	16MM
4MM X 1	6MM X 1	8MM X 1	10MM X 1	12MM X 1	16MM X 1
4MM X 2	6MM X 2	8MM X 2	10MM X 2	12MM X 2	
4MM X 3	6MM X 3	8MM X 3	10MM X 3		
4MM X 4	6MM X 4	8MM X 4	10MM X 4		
4MM X 5	6MM X 5	8MM X 5	10MM X 5		
4MM X 6					

Oetiker Clamp



Part Number	Size In.	Size Ref. MM	Description
1315	9/16	15	Double Ear Clamp
1517	19/32	17	Double Ear Clamp
1518	5/8	18	Double Ear Clamp
1720	3/4	20	Double Ear Clamp
1922	13/16	22	Double Ear Clamp
2023	7/8	23	Double Ear Clamp
2225	15/16	25	Double Ear Clamp
2327	1	27	Double Ear Clamp
2731	1-1/16	31	Double Ear Clamp
3134	1-5/16	34	Double Ear Clamp
3437	1-7/16	37	Double Ear Clamp
3740	1-1/2	40	Double Ear Clamp

Oetiker Pincher Tool



Part Number	Description
1098	STANDARD OETIKER JAW PINCERS
1099	OETIKER SIDE JAW PINCERS

Hose Cutting Tool

Part Number	Description
MULTI-CUTTER	HOSE CUTTING TOOL
REPLACEMENT BLADE	REPLACEMENT BLADES FOR MULTI-CUTTER TOOL



U-Bolts

Part Number
1/4-U-BOLT
3/8-U-BOLT
1/2-U-BOLT
1/2-U-BOLT-LONG
3/4-U-BOLT
1-U-BOLT
1-1/4-U-BOLT
1-1/4-U-BOLT-LONG
1-1/2-U-BOLT
1-1/2-U-BOLT-LONG
2-U-BOLT
2-1/2-U-BOLT
2-1/2-U-BOLT-LONG
3-U-BOLT
4-U-BOLT

**Gauges, Quick Disconnects, Valves & Tools**

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Miscellaneous Accessories

Teflon Tape



Part Number
1/4-Teflon-Tape
1/2-Teflon-Tape
3/4-Teflon-Tape
1-Teflon-Tape

Jomar Thread Sealant



Part Number	Description	Size
Green Stuff-Pint	Gimme The Green Stuff	16oz Can
White Stuff-Pint	Gimme The White Stuff	16oz Can

Laco-Loc Anaerobic Pipe Thread Sealant



Part Number	Size
LG-LACO-LOC	8.45oz Tube
SM-LACO-LOC	1.69oz Tube

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