

MSC & PARKER ADVANTAGE

Parker fittings

The products of choice for custom and standard applications



PARKER CRIMPER & POWER UNIT SOLUTION – SHOP SETUP



Pressure Rating: 5000 psi 125 Ton Force

Product Style: Bench Mount

Product Type: Parkrimp 2

Size: up to 2 inch I.D. 2 Wire Braid, up to 2 inch I.D. 4 or 6 Wire Spiral

Power Source: 3 Phase - 230/460 VAC

Type: Parkrimp 2

Power Phase: 3 Phase - 230/460 Volt

Style: Bench Mount

Hose Cut-Off Machine

Part No. 86C-220V

Features

- Engineered for workshop, retail, or production use
- Cuts hoses with less friction, no heat, and less debris
- Vacuum port eliminates any very small amount of smoke or debris created
- Comes standard with a Parker branded advanced scallop blade
- Cuts wire reinforced hoses including 6 heavy wire constructions up to 2" ID

Specifications

- Dimensions: 27" wide X 16.5" long X 24" high (when handle is at the highest point)
- Shipping Weight: 108 lbs



[view on web page](#)

Standard Equipment

Part Number 86C-220V	Description	Individual Part Number
●	Hose cut off machine with 220V single phase motor	
●	Parker branded advanced scallop blade- 10" OD x .125 THK X 40 mm arbor	HYD10X125X40-PH

MSC CRIMPER HOSE DIE SELECTION CHART

 Parker Hannifin Corporation Hose Products Division 30240 Lakeland Blvd. Wickliffe, Ohio 44092		Karrykrimp 2/Karrykrimp 2 Bench Mount Hose Die Selection Chart									Die Ring
Fitting Series	HOSE	-4 RED	-5 PUR	-6 YEL	-8 BLU	-10 ORG	-12 GRN	-16 BLK	-20 WHT		
40 Series	Die Part Number	80C-A04	80C-A05	80C-A06	80C-A08	80C-A10	80C-A12	80C-A16	80C-A20		
	351ST/TC, 387/387ST/TC (-4 THRU -16), 422, 426, 424, 431, 436, 451ST/TC, 471ST/TC, 472TC/LT, 482ST/TC, 487ST/TC (-4 THRU -12), 787/787ST/TC (-4 AND -6), 797/797ST/TC (-4 AND -6)	0.645	0.710	0.825	0.945	1.060	1.245	1.590	1.970	SILVER	
	421WC, 301LT, 304, 381, 601, 604, 881 302, 304, 381, 722/722ST/TC/LT, 881 387/387ST/TC (-20 ONLY), 487/487ST/TC (-16 ONLY)	0.685	0.750	0.865	0.985	1.100	1.285	1.630	2.010	BLACK	
70 Series	Die Part Number			83C-D06	83C-D08	83C-D10					
	701 F42 (-8 Only)			0.990	1.140	1.260				BLACK	
				1.010	1.160	1.280					
71 Series	Die Part Number			83C-D06	83C-D08	83C-D10	83C-D12	83C-D16	83C-D20		
	721	721ST 721TC	772LT 772ST	772TC 774	DO NOT USE THIS MACHINE TO ASSEMBLE ANY 71 SERIES SIZE 30 STAINLESS STEEL FITTINGS	0.950	1.100	1.220	1.355	1.695	2.025
					0.970	1.120	1.240	1.375	1.715	2.045	SILVER
73 Series	Die Part Number						80C-L12	80C-L16			
	731						1.420	1.730		SILVER	
							1.440	1.750			
77 Series	Die Part Number				80C-CS08	80C-CS10	80C-CS12				
	797	797ST	797TC		0.930	1.057	1.245			BLACK	
					0.950	1.077	1.265				
78 Series	Die Part Number				80C-CS08	80C-CS10	80C-CS12	80C-CS16			
	787	787ST	787TC	DO NOT USE THIS MACHINE TO ASSEMBLE ANY 77 SERIES SIZE 16 STAINLESS STEEL FITTINGS	0.930	1.057	1.245	1.541		BLACK	
					0.950	1.077	1.265	1.571			
78 Series	Die Part Number						80C-L12	80C-L16			
	781	782TC	782ST				1.420	1.730		SILVER	
							1.440	1.750			
25 Series	Die Part Number			80C-Y06	80C-Y08						
	271			0.680	0.825					SILVER	
				0.700	0.845						
26 Series	Die Part Number	80C-E04	80C-E05	80C-E06	80C-E08	80C-E10	80C-E12	80C-E16			
	213	285	293	0.460	0.520	0.575	0.670	0.805	0.915	1.175	
				0.480	0.540	0.595	0.690	0.825	0.935	1.195	
26 Series	Die Part Number										
	201	221FR	226	0.500	0.560	0.615	0.710	0.845	0.955	1.215	
	206	225	244	0.520	0.580	0.635	0.730	0.865	0.975	1.235	
81 Series	Die Part Number						80C-V12	80C-V16	80C-V20		
	811	811HT	881				1.155	1.450	1.740	SILVER	
							1.175	1.470	1.760		
HY Series	Die Part Number	80C-H585		80C-H735	80C-H840	80C-H970	80C-H1120	80C-H1365			
	AX	0.575		0.725	0.830	0.960	1.110	1.355		SILVER	
		0.595		0.745	0.850	0.980	1.130	1.375			
	Die Part Number	80C-H605		80C-H775	80C-H885	80C-H1010	80C-H1170	80C-H1465	80C-H1880		
	BXX	0.635		0.805	0.915	1.040	1.200	1.495	1.910	BLACK	
		0.655		0.825	0.935	1.060	1.220	1.515	1.930		
	Die Part Number	80C-H595		80C-H735	80C-H860	80C-H1015	80C-H1170				
	611HT	0.575		0.720	0.860	0.995	1.140			SILVER	
		0.595		0.740	0.880	1.015	1.160				
	Die Part Number	80C-H595				80C-H1015	80C-H1170	80C-H1365			
801	836	0.575			0.995	1.140	1.350		SILVER		
		0.595			1.015	1.160	1.370				
Die Part Number			80C-H735	80C-H860							
801	836		0.755	0.890					BLACK		
			0.775	0.910							

Caution: Read the operations and technical manual before attempting to operate this machine. Do not operate this machine without guard in place. Keep hands clear of moving parts when operating machine.

Note: Stainless steel crimp diameters can be up to .010" greater than table listings.

Information on this decal is subject to change without notice. For the most current crimp specifications, please visit Crimpsource at www.parker.com/crimpsource. New decals can be ordered at Parker website parkercatalogs.mediaex.com.

Decal Part Number:
85C-CRIMPDECAL REV. E



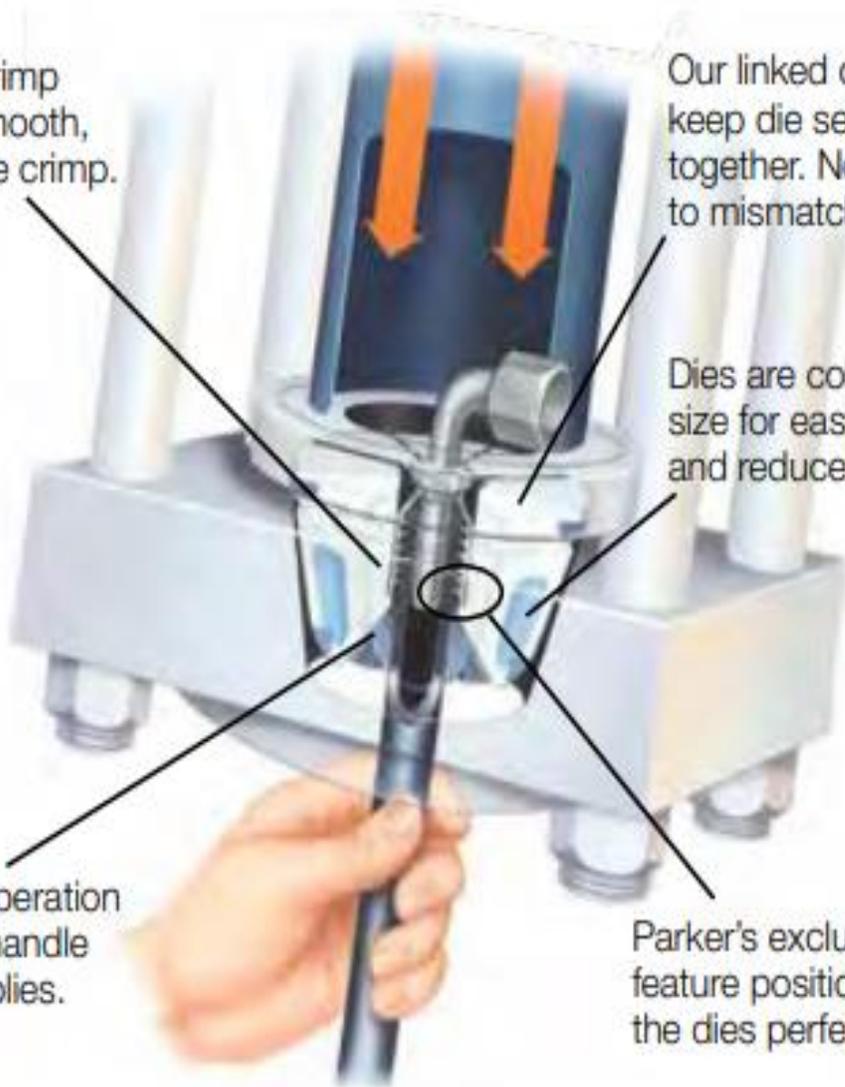
Eight-segment crimp dies provide a smooth, even, 360-degree crimp.

Our linked crimp dies keep die segments together. No loose parts to mismatch or misplace.

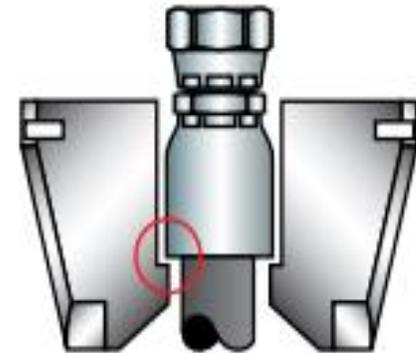
Dies are color coded by size for easy identification and reduced set-up time.

Bottom-loading operation makes it easy to handle long hose assemblies.

Parker's exclusive Parkalign™ feature positions the fitting in the dies perfectly every time.



Parkrimp dies are color coded and linked together – making them easy to use.



The Parkalign system's positive stop feature ensures users will make a perfect crimp every time.

PARKER GLOBALCORE 487TC HOSE & 43 SERIES FITTINGS

487

Parker's GlobalCore 487 hose provides 4,000 psi (28 MPa) constant working pressure in all sizes. Designed for high performance, 487 is available in a variety of cover options, including Standard, ToughCover and SuperTough Cover. Its synthetic rubber inner tube provides a wider range of fluid compatibility. Rated to the ISO 18752 performance specification, 487 will excel in multiple applications around the world.

- ½ ISO 18752 minimum bend radius
- Low force to flex for ease of installation
- 4,000 psi constant working pressure in all sizes
- Exceeds ISO 18752 performance specification (AC, BC & CC)
- TC cover provides 80 times and ST cover 450 times abrasion resistance when compared to standard covers



#	Cover Options			Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Fittings	
	Standard Cover	Tough Cover	Super Tough	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	Parkrimp 43 Series	Parkrimp 77 Series
	487	487TC	487ST	ISO 18752 Performance											
487-4	AC	AC	AC	1/4	6,3	0.52	13,1	4000	28,0	2	50	0.20	0,30	•	
487-6	AC	AC	AC	3/8	10	0.68	17,2	4000	28,0	2-1/2	65	0.28	0,42	•	
487-8	AC	AC	AC	1/2	12,5	0.81	20,4	4000	28,0	3-1/2	90	0.35	0,52	•	
487-10	AC	AC	AC	5/8	16	0.94	23,9	4000	28,0	4	100	0.44	0,66	•	
487-12	AC	AC	AC	3/4	19	1.10	27,8	4000	28,0	4-3/4	120	0.58	0,86	•	
487-16	BC	CC	CC	1	25	1.49	37,8	4000	28,0	6	150	1.34	1,99	•	
487-20	BC	CC	CC	1-1/4	31,5	1.82	46,3	4000	28,0	8-1/4	210	1.74	2,59		•
487-24	BC	CC	CC	1-1/2	38	2.03	52,8	4000	28,0	10	250	2.07	3,08		•
487-32	BC	CC	CC	2	51	2.65	67,3	4000	28,0	12-1/2	320	4.35	6,47		•



PARKER GLOBALCORE 797TC HOSE & 77 SERIES FITTINGS

Performance



797

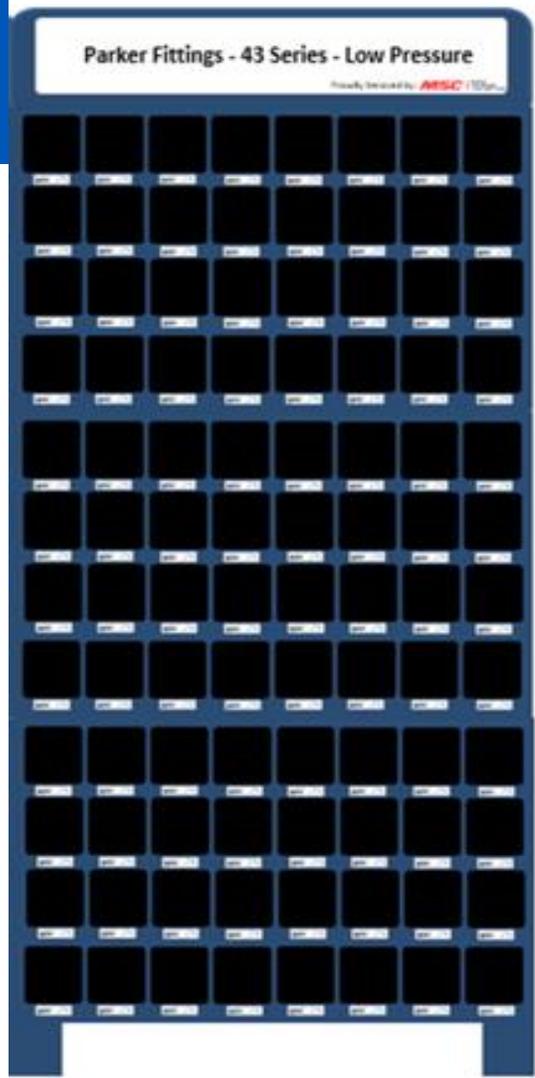
Hydraulic – Constant Working Pressure
ISO 18752



[view on web page](#)



# Part Number	TC	ST	CP	Hose I.D.		Hose O.D.		Working Pressure		Minimum Bend Radius		Weight		Parkrimp	Parkrimp	
	Standard Cover	Tough Cover	Super Tough Cover	Critical Protection												
	797	797TC	797ST	797CP	inch	mm	inch	mm	psi	MPa	inch	mm	lbs/ft	kg/m	43 Series	77 Series
797	ISO 18752 Performance															
797-4	AC	AC	AC		1/4	6,3	0.51	13,0	6000	42,0	2	50	0.21	0,31	Link	
797-6	BC	CC	CC	DC	3/8	10	0.66	17,0	6000	42,0	2-1/2	63	0.31	0,46	Link	
797-8	BC	DC	DC	DC	1/2	12,5	0.83	21,1	6000	42,0	4	100	0.45	0,67		Link
797-10	BC	DC	DC		5/8	16	0.94	23,9	6000	42,0	4-1/2	115	0.54	0,80		Link
797-12	BC	DC	DC	DC	3/4	19	1.10	27,9	6000	42,0	5-1/4	135	0.78	1,16		Link
797-16	BC	DC	DC	DC	1	25	1.40	35,7	6000	42,0	6-1/2	165	1.17	1,74		Link
797-20	BC	DC	DC	DC	1-1/4	31,5	1.77	44,9	6000	42,0	8-3/4	225	1.95	2,89		Link
797-24	BC	CC	CC		1-1/2	38	2.08	52,8	6000	42,0	12	305	2.66	3,96		Link
797-32	BC	CC	CC		2	51	2.66	67,6	6000	42,0	15	380	4.37	6,50		Link



Parker Fittings - 43 Series - Low Pressure
Proudly serviced by MSC Direct

36" w x 72" h x 12.5" d

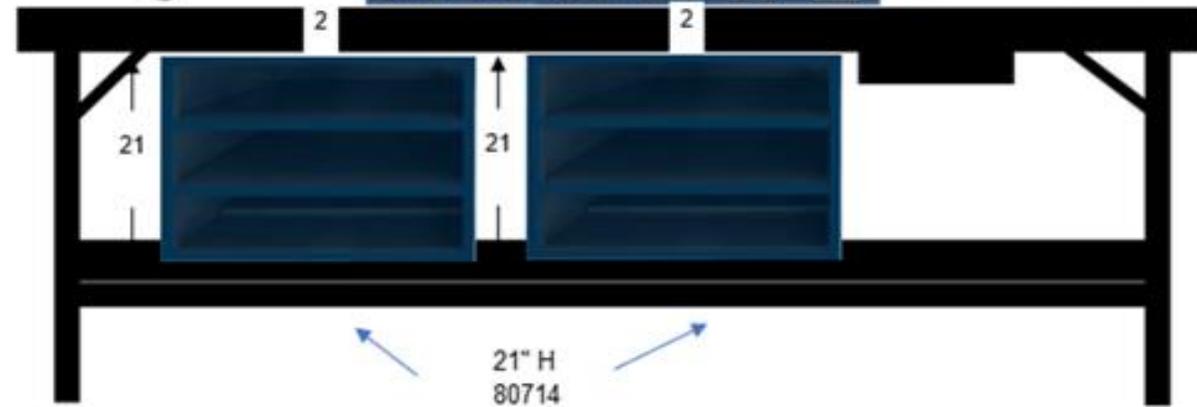
80741
add to crimp table for
crimp die storage

PP-00100



Parker Crimp Die Storage
Proudly serviced by MSC Direct

86C-110V



21" H
80714

70" w x 30" d



28" w x 60" h x 28" d

43 SERIES CRIMP FITTINGS

MALE NPT	MALE NPT	FEM NPT	90 JIC	45 JIC	MALE JIC	MALE JIC
	10143-4-4 KP81271	10743-4-4 KP46916	13943-4-4 KP81320	13743-4-4 KP81327		10343-4-4 KP81285
10143-6-4 10143-6-4					10343-6-4 KP81287	
10143-4-6 KP81272	10143-6-6 KP81273	10743-6-6 KP46917	13943-6-6 KP81322	13743-6-6 KP81328		10343-6-6 KP81288
10143-8-6 KP81274					10343-8-6 KP81289	10343-10-6 KP81290
10143-6-8 KP81275	10143-8-8 KP81276	10743-8-8 KP46918	13943-8-8 KP81324	13743-8-8 KP81330		10343-8-8 KP81291
10143-12-8 KP81277					10343-10-8 KP81292	10343-12-8 KP81293
10143-8-12 KP46836	10143-12-12 KP81281	10743-12-12 KP46919	13943-12-12 KP81325			10343-12-12 KP81295
10143-16-12 KP81282				13743-12-12 KP81331		10343-16-12 KP81297
	10143-16-16 KP81283	10743-16-16 KP46920	13943-16-16 KP81326	13743-16-16 KP81332		10343-16-16 KP81298

43 SERIES CRIMP FITTINGS

FEM JIC	FEM JIC	MALE ORI	FEM ORFS	90 ORFS	45ORFS	OR BOSS
	10643-4-4 KP81300	1J043-4-4 KP60943	1JS43-4-4 KP80034	1J943-4-4 KP80021	1J743-4-4 KP80011	10543-4-4 KP81359
10643-6-4 KP81302			KP80001			
10643-4-6 KP81303	10643-6-6 KP81305	1J043-6-6 KP46760	1JS43-6-6 KP80036	1J943-6-6 KP80024	1J743-6-6 KP80013	10543-6-6 KP81362
10643-8-6 KP81306						
10643-6-8 10643-6-8 10643-10-8 KP81308	10643-8-8 KP81307	1J043-8-8 KP46761	1JS43-8-8 KP80038	1J943-8-8 KP80027	1J743-8-8 KP80015	10543-8-8 KP81364
10643-10-12 KP81313	10643-12-12 KP81315	1J043-12-12 #N/A	1JS43-12-12 KP46778			10543-12-12 KP81367
				1J943-12-12 KP80032	1J743-12-12 KP80019	
	10643-16-16 KP81317	1J043-16-16 #N/A	1JS43-16-16 KP46780	1J943-16-16 KP80033	1J743-16-16 KP80020	10543-16-16 KP81368

MRO STORAGE SUGGESTIONS – NO CHARGE ITEMS

Seller Part Number	Qty. <input type="text"/>	Description	\$ Value	Extension
80732	6	32 HOLE OPEN BIN	299.79	1,798.73
80741	1	18 HOLE OPEN BIN	222.46	222.46
80700	2	UNIVERSAL LEGS 2PC 5"W X 4"H X 12.5"D	57.98	115.95
80714	2	HYD WORK STAT-3COMP,21 1/2"WX24"HX24"D	310.22	620.44
PP-00972	2	PK 3 HOSE REEL RACK STEEL	1,373.03	2,746.07
WBF-3660-04	1	+(TX) FOLDING LEG WORK BENCH(60"X36")	899.60	899.60
			Total Value:	6,403.26

MSC PARKER SOLUTION TOOLING – NO CHARGE ITEMS

Seller Part Number	Qty. <input type="text"/>	Description	\$ Value	Extension
80C-A04	1	PARKRIMP TOOLING 1/4" DIE	267.66	267.66
80C-A06	1	PARKRIMP TOOLING 3/8" DIE	323.89	323.89
80C-A08	1	PARKRIMP TOOLING 1/2" DIE	267.66	267.66
80C-A10	1	PARKRIMP TOOLING 5/8" DIE	267.66	267.66
80C-A12	1	CRIMP DIE (43 SERIES) - GREEN(-12,3/4")	249.64	249.64
80C-A16	1	PARKRIMP TOOLING 1" DIE, BLACK	249.64	249.64
80C-CS12	1	PKR COMP SPIR CRIMPER DIE -12 GREEN 3/4"	249.03	249.03
83C-CS16	1	PARKER COMP SPIR CRIMP DIE -16 BLACK 1"	862.27	862.27
83C-CS20	1	PKR COMP SPIR CRIMP DIE -20 WHITE 1-1/4"	862.27	862.27
83C-CS24	1	PKR -24 COMP SPIRAL CRIMP DIE RED 1-1/2"	862.27	862.27
PH86C220V	1	+PARKER HOSE SAW 86C-220V	9,702.74	9,702.74
PP-00674	1	PARKRIMP 2, 1 PHASE POWER UNIT	22,512.28	22,512.28
			Total Value:	36,677.01

MSC MRO SHOP SUPPLIES & PARKER FITTINGS/HOSE INITIAL INVESTMENT

Total Investment To Start = \$11,292.97

PARKER HOSE GROUP

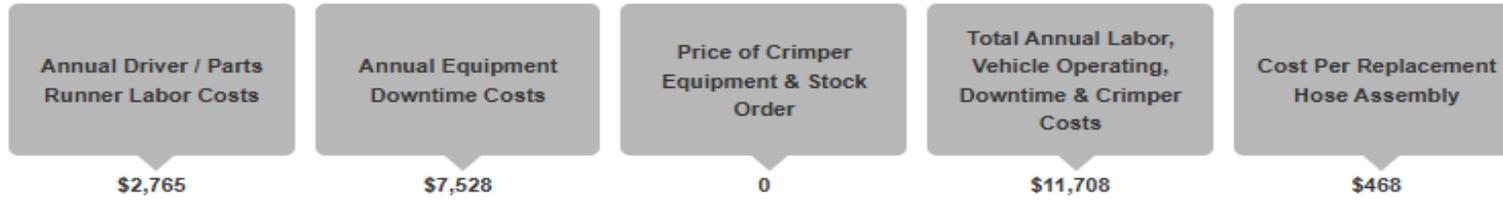
487TC PARKER HOSE	797TC PARKER HOSE 6000 PSI
-4 (1/4) BOX	-12 (3/4) BOX
-6 (3/8) BOX	-16 (1) BOX
-8 (1/2) BOX	-20 (1 1/4) BOX

PARKER TYPE 43/77 FITTINGS

NPT , CODE 61, CAT FLANGE
JIC , CODE 62,

COST BENEFIT ANALYSIS COMPARING ON-SITE HOSE FABRICATION WITH A PARKER CRIMPER TO OBTAINING REPLACEMENT HOSES FROM AN OFF-SITE HOSE FABRICATOR

Off-Site Hose Fabrication

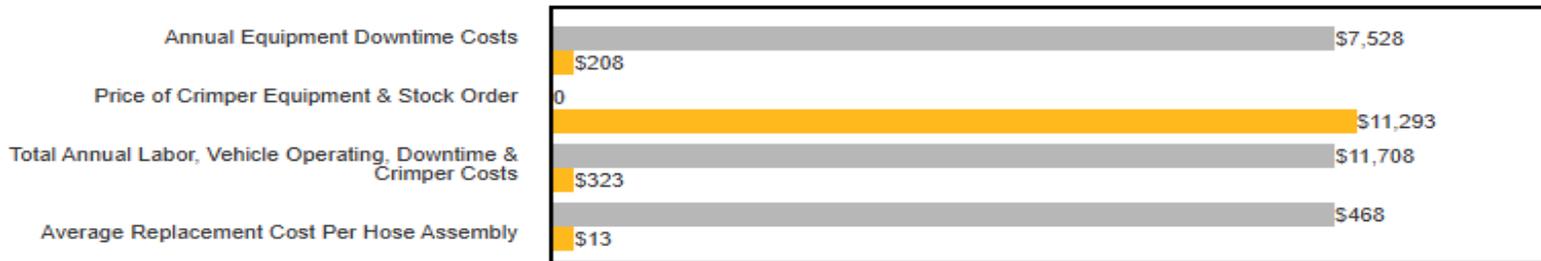


On-Site Hose Fabrication with Parker Crimper



Cost Comparison

Off-Site Crimper



VALUE IMPACT SUMMARY

An On-Site Hose Crimper from Parker Hannifin provides:

Reduced Annual Annual Driver / Parts Runner Labor Costs of	\$2,765
Reduced Annual Equipment Downtime Costs of	\$7,319
Reduced Total Annual Labor, Vehicle Operating and Downtime Costs of	\$11,385
Reduced Cost Per Replacement Hose Assembly of	\$455
Total Crimper Cost Benefit (First Year)	\$11,385
Number of Hoses Fabricated On-Site to Return The Initial Investment For a Parker Crimper	24.8 Hoses
The Payback Period For a Parker Crimper Will Be Realized in Approximately	11.9 Months



QUESTIONS?

Rick Bowers

Fluid Connector Specialist

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