



MY ACCOUNT BLOG

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Crimp Specifications



# Crimp Specifications

Machining tolerances exist for each crimper, die set and supporting piece of equipment which will affect your actual setting. Always check the crimp diameter to ensure that it is within the published limits. Using a caliper make two measurement in opposite directions. Measure halfway between the ridges. Be sure caliper blades DO NOT touch ridges.

Hose Type	Hose End/Fitting Coupling Style	Hose Size (inches)	Crimp Diameter (inches)	Crimp Diameter (mm)	Die Position
<b>R1S</b>					
R1S-04	U - Standard/Braided - 1/4	1/4	0.58	14.6	Crimp to knurl
R1S-04	P43 - 43 Series - 1/4	1/4	0.66	16.6	Full Crimp
R1S-04	HY - Stainless Steel - 1/4	1/4	0.66	14.6	Crimp to knurl
R1S-04	W - Bite to Wire - 1/4	1/4	0.66	16.6	Full Crimp
R1S-06	U - Standard/Braided - 3/8	3/8	0.74	18.7	Crimp to knurl
R1S-06	P43 - 43 Series - 3/8	3/8	0.84	21.2	Full Crimp
R1S-06	HY - Stainless Steel - 3/8	3/8	0.74	18.7	Crimp to knurl
R1S-06	W - Bite to Wire - 3/8	3/8	0.79	20.1	Full Crimp
R1S-08	U - Standard/Braided - 1/2	1/2	0.85	21.6	Crimp to knurl
R1S-08	P43 - 43 Series - 1/2	1/2	0.96	24.3	Full Crimp
R1S-08	HY - Stainless Steel - 1/2	1/2	0.85	21.6	Crimp to knurl
R1S-08	W - Bite to Wire - 1/2	1/2	0.92	23.4	Full Crimp
R1S-10	U - Standard/Braided - 5/8	5/8	1.00	25.3	Crimp to knurl
R1S-10	P43 - 43 Series - 5/8	5/8	1.07	27.2	Full Crimp
R1S-10	HY - Stainless Steel - 5/8	5/8	1.00	25.3	Crimp to knurl

R1S-10	W - Bite to Wire - 5/8	5/8	1.07	27.2	Full Crimp
R1S-12	U - Standard/Braided - 3/4	3/4	1.12	28.3	Crimp to knurl
R1S-12	P43 - 43 Series - 3/4	3/4	1.26	32.0	Full Crimp
R1S-12	HY - Stainless Steel - 3/4	3/4	1.12	28.3	Crimp to knurl
R1S-12	W - Bite to Wire - 3/4	3/4	1.22	30.9	Full Crimp
R1S-16	U - Standard/Braided - 1"	1	1.43	36.3	Crimp to knurl
R1S-16	P43 - 43 Series - 1"	1	1.60	40.6	Full Crimp
R1S-16	HY - Stainless Steel - 1"	1	1.43	36.3	Crimp to knurl
R1S-16	W - Bite to Wire - 1"	1	1.63	41.3	Full Crimp
R1S-20	U - Standard/Braided - 1-1/4	1-1/4	1.83	46.5	Crimp to knurl
R1S-20	HY - Stainless Steel - 1-1/4	1-1/4	1.83	46.5	Crimp to knurl
R1S-20	W - Bite to Wire - 1-1/4	1-1/4	1.97	49.9	Full Crimp
R1S-24	W - Bite to Wire - 1-1/2	1-1/2	2.34	59.4	Full Crimp
<b>Hose Type</b>	<b>Hose End/Fitting Coupling Style</b>	<b>Hose Size (inches)</b>	<b>Crimp Diameter (inches)</b>	<b>Crimp Diameter (mm)</b>	<b>Die Position</b>
<b>R2S</b>					
R2S-04	U - Standard/Braided - 1/4	1/4	0.65	16.4	Crimp to knurl
R2S-04	P43 - 43 Series - 1/4	1/4	0.70	17.7	Full Crimp
R2S-04	HY - Stainless Steel - 1/4	1/4	0.65	16.4	Crimp to knurl
R1S-04	W - Bite to Wire - 1/4	1/4	0.70	17.7	Full Crimp
R2S-06	U - Standard/Braided - 3/8	3/8	0.82	20.7	Crimp to knurl
R2S-06	P43 - 43 Series - 3/8	3/8	0.88	22.2	Full Crimp
R2S-06	HY - Stainless Steel - 3/8	3/8	0.82	20.7	Crimp to knurl
R2S-06	W - Bite to Wire - 3/8	3/8	0.85	21.6	Full Crimp
R2S-08	U - Standard/Braided - 1/2	1/2	0.91	23.1	Crimp to knurl
R2S-08	P43 - 43 Series - 1/2	1/2	1.00	25.3	Full Crimp
R2S-08	HY - Stainless Steel - 1/2	1/2	0.91	23.1	Crimp to knurl
R2S-08	W - Bite to Wire - 1/2	1/2	0.97	24.6	Full Crimp
R2S-10	U - Standard/Braided - 5/8	5/8	1.03	26.2	Crimp to knurl
R2S-10	P43 - 43 Series - 5/8	5/8	1.11	28.2	Full Crimp
R2S-10	HY - Stainless Steel - 5/8	5/8	1.03	26.2	Crimp to knurl

R2S-10	W - Bite to Wire - 5/8	5/8	1.20	30.5	Full Crimp
R2S-12	U - Standard/Braided - 3/4	3/4	1.19	30.2	Crimp to knurl
R2S-12	P43 - 43 Series - 3/4	3/4	1.30	32.9	Full Crimp
R2S-12	HY - Stainless Steel - 3/4	3/4	1.19	30.2	Crimp to knurl
R2S-12	W - Bite to Wire - 3/4	3/4	1.29	32.6	Full Crimp
R2S-16	U - Standard/Braided - 1"	1	1.51	38.3	Crimp to knurl
R2S-16	P43 - 43 Series - 1"	1	1.64	41.7	Full Crimp
R2S-16	HY - Stainless Steel - 1"	1	1.51	38.3	Crimp to knurl
R2S-16	W - Bite to Wire - 1"	1	1.67	42.3	Full Crimp
R2S-20	U - Standard/Braided - 1-1/4	1-1/4	1.91	48.5	Crimp to knurl
R2S-20	HY - Stainless Steel - 1-1/4	1-1/4	1.91	48.5	Crimp to knurl
R2S-20	W - Bite to Wire - 1-1/4	1-1/4	2.06	52.3	Full Crimp
R2S-24	W - Bite to Wire - 1-1/2	1-1/2	2.40	61.0	Full Crimp
R2S-32	W - Bite to Wire - 2	2	2.87	72.9	Full Crimp
<b>Hose Type</b>	<b>Hose End/Fitting Coupling Style</b>	<b>Hose Size (inches)</b>	<b>Crimp Diameter (inches)</b>	<b>Crimp Diameter (mm)</b>	<b>Die Position</b>
<b>R16S</b>					
R16S-04	U - Standard/Braided - 1/4	1/4	0.62	15.6	Crimp to knurl
R16S-04	P43 - 43 Series - 1/4	1/4	0.66	16.6	Full Crimp
R16S-04	HY - Stainless - 1/4	1/4	0.62	15.6	Crimp to knurl
R16S-04	W - Bite to Wire - 1/4	1/4	0.67	17.0	Full Crimp
R16S-06	U - Standard/Braided - 3/8	3/8	0.77	19.6	Crimp to knurl
R16S-06	P43 - 43 Series - 3/8	3/8	0.84	21.2	Full Crimp
R16S-06	HY - Stainless Steel - 3/8	3/8	0.77	19.6	Crimp to knurl
R16S-06	W - Bite to Wire - 3/8	3/8	0.82	20.7	Full Crimp
R16S-08	U - Standard/Braided - 1/2	1/2	0.86	21.8	Crimp to knurl
R16S-08	P43 - 43 Series - 1/2	1/2	0.96	24.3	Full Crimp
R16S-08	HY - Stainless Steel - 1/2	1/2	0.86	21.8	Crimp to knurl
R16S-08	W - Bite to Wire - 1/2	1/2	0.95	24.0	Full Crimp
R16S-10	U - Standard/Braided - 5/8	5/8	1.00	25.4	Crimp to knurl
R16S-10	P43 - 43 Series - 5/8	5/8	1.07	27.2	Full Crimp

R16S-10	HY - Stainless Steel - 5/8	5/8	1.00	25.4	Crimp to knurl
R16S-10	W - Bite to Wire - 5/8	5/8	1.18	29.9	Full Crimp
R16S-12	U - Standard/Braided - 3/4	3/4	1.13	28.7	Crimp to knurl
R16S-12	P43 - 43 Series - 3/4	3/4	1.26	31.9	Full Crimp
R16S-12	HY - Stainless Steel - 3/4	3/4	1.13	28.7	Crimp to knurl
R16S-12	W - Bite to Wire - 3/4	3/4	1.23	31.2	Full Crimp
R16S-16	U - Standard/Braided - 1'	1"	1.43	36.2	Crimp to knurl
R16S-16	P43 - 43 Series - 1"	1"	1.60	40.6	Full Crimp
R16S-16	HY - Stainless Steel - 1"	1"	1.43	36.2	Crimp to knurl
R16S-16	W - Bite to Wire - 1"	1"	1.56	39.5	Full Crimp
Hose Type	Hose End/Fitting Coupling Style	Hose Size (inches)	Crimp Diameter (inches)	Crimp Diameter (mm)	Die Position
<b>R17</b>					
R17-04	U - Standard/Braided - 1/4	1/4	0.57	14.4	Crimp to knurl
R17-04	P43 - 43 Series - 1/4	1/4	0.64	16.3	Full Crimp
R17-04	HY - Stainless Steel - 1/4	1/4	0.64	14.4	Crimp to knurl
R17-04	W - Bite to Wire - 1/4	1/4	0.63	15.9	Full Crimp
R17-06	U - Standard/Braided - 3/8	3/8	0.73	18.4	Crimp to knurl
R17-06	P43 - 43 Series - 3/8	3/8	0.80	20.3	Full Crimp
R17-06	HY - Stainless Steel - 3/8	3/8	0.80	18.4	Crimp to knurl
R17-06	W - Bite to Wire - 3/8	3/8	0.78	19.8	Full Crimp
R17-08	U - Standard/Braided - 1/2	1/2	0.85	21.6	Crimp to knurl
R17-08	P43 - 43 Series - 1/2	1/2	0.93	23.6	Full Crimp
R17-08	HY - Stainless Steel - 1/2	1/2	0.93	21.6	Crimp to knurl
R17-08	W - Bite to Wire - 1/2	1/2	0.95	24.1	Full Crimp
R17-10	U - Standard/Braided - 5/8	5/8	0.99	25.3	Crimp to knurl
R17-10	P43 - 43 Series - 5/8	5/8	1.00	25.4	Full Crimp
R17-10	HY - Stainless Steel - 5/8	5/8	0.99	25.6	Crimp to knurl
R17-10	W - Bite to Wire - 5/8	5/8	1.17	29.7	Full Crimp
R17-12	U - Standard/Braided - 3/4	3/4	1.16	29.5	Crimp to knurl
R17-12	P43 - 43 Series - 3/4	3/4	1.26	32.0	Full Crimp

R17-12	HY - Stainless Steel - 3/4	3/4	1.26	32.0	Crimp to knurl
R17-12	W - Bite to Wire - 3/4	3/4	1.28	32.4	Full Crimp
R17-16	P43 - Series - 1"	1'	1.60	40.6	Full Crimp
R17-16	W - Bite to Wire - 1"	1'	1.56	39.6	Full Crimp

Hose Type	Hose End/Fitting Coupling Style	Hose Size (inches)	Crimp Diameter (inches)	Crimp Diameter (mm)	Die Position
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## R12

R12-06	W - Bite to Wire - 3/8	3/8	0.87	22.1	Full Crimp
R12-08	W - Bite to Wire - 1/2	1/2	1.01	25.7	Full Crimp
R12-12	WHP-3/4	3/4	1.43	36.3	Crimp to knurl
R12-12	W - Bite to Wire - 3/4	3/4	1.32	33.5	Full Crimp
R12-16	WHP-1"	1"	1.71	43.4	Crimp to knurl
R12-16	W - Bite to Wire - 1"	1"	1.63	41.4	Full Crimp
R12-20	JJ-STYLE - 1-1/4	1-1/4	1.98	50.3	Crimp to knurl
R12-20	W - Bite to Wire - 1-1/4	1-1/4	2.05	52.1	Full Crimp
R12-24	JJ-STYLE - 1-1/2	1-1/2	2.23	56.6	Crimp to knurl
R12-24	W - Bite to Wire - 1-1/2	1-1/2	2.38	60.5	Full Crimp
R12-32	JJ-STYLE - 2"	2"	2.84	72.1	Crimp to knurl
R12-32	W - Bite to Wire - 2"	2"	2.89	73.4	Full Crimp

Hose Type	Hose End/Fitting Coupling Style	Hose Size (inches)	Crimp Diameter (inches)	Crimp Diameter (mm)	Die Position
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## 4SH

4SH-12	WHP-3/4	3/4	1.43	36.3	Crimp to knurl
4SH-12	W - Bite to Wire - 3/4	3/4	1.32**	33.5	Full Crimp
4SH-16	W - Bite to Wire - 1"	1"	1.63	41.4	Full Crimp
4SH-20	JJ-STYLE - 1-1/4	1-1/4	1.94	49.4	Crimp to knurl
4SH-20	W - Bite to Wire - 1-1/4	1-1/4	1.99	50.5	Full Crimp
4SH-24	JJ-STYLE - 1-1/2	1-1/2	2.20	55.8	Crimp to knurl
4SH-24	W - Bite to Wir - 1-1/2	1-1/2	2.39	60.7	Full Crimp
4SH-32	JJ-STYLE - 2"	2"	2.84	72.1	Crimp to knurl

Hose Type	Hose End/Fitting Coupling Style	Hose Size (inches)	Crimp Diameter (inches)	Crimp Diameter (mm)	Die Position
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## R13

R13-12	WHP-3/4	3/4	1.49	37.8	Crimp to knurl
R13-12	W - Bite to Wire - 3/4	3/4	1.34	33.9	Full Crimp
R13-16	W - Bite to Wire - 1"	1"	1.65	41.8	Full Crimp
R13-20	JJ-STYLE - 1-1/4	1-1/4	2.05	52.1	Crimp to knurl
R13-24	JJ-STYLE - 1-1/2	1-1/2	2.32	58.9	Crimp to knurl
R13-32	JJ-STYLE - 2"	2"	2.98	75.7	Crimp to knurl
<b>Hose Type</b>	<b>Hose End/Fitting Coupling Style</b>	<b>Hose Size (inches)</b>	<b>Crimp Diameter (inches)</b>	<b>Crimp Diameter (mm)</b>	<b>Die Position</b>
<b>R15</b>					
R15-12	WHP-3/4	3/4	1.43	36.4	Crimp to knurl
R15-16	WHP-1"	1"	1.74	44.2	Crimp to knurl
R15-20	JJ-STYLE - 1-1/4	1-1/4	2.08	52.7	Crimp to knurl
R15-24	JJ-STYLE - 1-1/2	1-1/2	2.35	59.6	Crimp to knurl
<b>Hose Type</b>	<b>Hose End/Fitting Coupling Style</b>	<b>Hose Size (inches)</b>	<b>Crimp Diameter (inches)</b>	<b>Crimp Diameter (mm)</b>	<b>Die Position</b>
<b>R4</b>					
R4-12	U - Standard/Braided - 3/4	3/4	1.23	31.3	Crimp to knurl
R4-16	U - Standard/Braided - 1"	1"	1.47	37.2	Crimp to knurl
R4-20	U - Standard/Braided - 1-1/4	1-1/4	1.78	45.2	Crimp to knurl
<b>Hose Type</b>	<b>Hose End/Fitting Coupling Style</b>	<b>Hose Size (inches)</b>	<b>Crimp Diameter (inches)</b>	<b>Crimp Diameter (mm)</b>	<b>Die Position</b>
<b>Stainless Teflon Hose</b>					
R115-04	SST-3/16 (03)	R115-04	0.331	8.4074	CRIMP TO LINE
R115-05	SST-1/4 (04)	R115-05	0.47	11.938	Crimp to knurl
R115-06	SST-5/16 (05)	R115-06	0.546	13.8684	Crimp to knurl
R115-06T	SST-3/8 (06)	R115-06T	0.58	14.732	Crimp to knurl
R115-08	SST-7/16 (07)	R115-08	0.65	16.51	Crimp to knurl
R115-10	SST-1/2 (08)	R115-10	0.715	18.161	Crimp to knurl
R115-12	SST-5/8 (10)	R115-12	0.865	21.971	Crimp to knurl
R115-12T	SST-3/4 (12)	R115-12T	1.015	25.781	Crimp to knurl
R115-16T	SST-1" (16)	R115-16T	1.27	32.258	Crimp to knurl
<b>Hose Type</b>	<b>Hose End/Fitting Coupling Style</b>	<b>Hose Size (inches)</b>	<b>Crimp Diameter (inches)</b>	<b>Crimp Diameter (mm)</b>	<b>Die Position</b>

## Barrier Refrigerant Hose

BH-06	BL-06	3/8	0.684	17.3736	MIDDLE OF SHELL
BH-08	BL-08	1/2	0.785	19.939	MIDDLE OF SHELL
BH-10	BL-10	5/8	0.905	22.987	MIDDLE OF SHELL
BH-12	BL-12	3/4	1.05	26.67	MIDDLE OF SHELL

Hose Type	Hose End/Fitting Coupling Style	Hose Size (inches)	Crimp Diameter (inches)	Crimp Diameter (mm)	Die Position
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## Jack Hose

4HJK	Standard/Braided - 1/4	1/4	0.634	16.1036	Crimp to knurl
6HJK	Standard/Braided - 3/8	3/8	0.785	19.939	Crimp to knurl

Hose Type	Hose End/Fitting Coupling Style	Hose Size (inches)	Crimp Diameter (inches)	Crimp Diameter (mm)	Die Position
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## Tuff Cover 2 Wire Hydraulic Hose

UFW-04	U - Standard/Braided - 1/4	1/4	0.60	15.2	Crimp to knurl
UFW-04	P43 - 43 Series - 1/4	1/4"	0.66	16.6	Full Crimp
UFW-04	HY - Stainless Steel - 1/4	1/4"	0.60	15.2	Crimp to knurl
UFW-04	W - Bite to Wire - 1/4	1/4	0.66	16.8	Full Crimp
UFW-06	U - Standard/Braided - 3/8	3/8"	0.75	19.1	Crimp to knurl
UFW-06	P43 - 43 Series - 3/8	3/8	0.84	21.2	Full Crimp
UFW-06	HY - Stainless Steel - 3/8	3/8	0.75	19.1	Crimp to knurl
UFW-06	W - Bite to Wire - 3/8	3/8	0.80	20.3	Full Crimp
UFW-08	U - Standard/Braided - 1/2	1/2"	0.86	21.8	Crimp to knurl
UFW-08	P43 - 43 Series - 1/2	1/2	0.96	24.3	Full Crimp
UFW-08	HY - Stainless Steel - 1/2	1/2	0.86	21.8	Crimp to knurl
UFW-08	Bite to Wire (W Style) - 1/2	1/2	0.95	24.1	Full Crimp
UFW-10	U - Standard/Braided - 5/8	5/8"	1.01	25.6	Crimp to knurl
UFW-10	P43 - 43 Series - 5/8	5/8	1.07	27.2	Full Crimp
UFW-10	HY - Stainless Steel - 5/8	5/8	1.01	25.6	Crimp to knurl
UFW-10	W - Bite to Wire - 5/8	5/8	1.17	29.7	Full Crimp
UFW-12	U - Standard/Braided - 3/4	3/4"	1.15	29.2	Crimp to knurl
UFW-12	P43 - 43 Series - 3/4	3/4	1.26	31.9	Full Crimp
UFW-12	HY - Stainless Steel - 3/4	3/4	1.15	29.2	Crimp to knurl

UFW-12	Bite to Wire (W Style) - 3/4	3/4	1.24	31.5	Full Crimp
UFW-16	U - Standard/Braided - 1"	1"	1.46	37.0	Crimp to knurl
UFW-16	P43 - 43 Series - 1"	1"	1.60	40.6	Full Crimp
UFW-16	HY - Stainless Steel - 1"	1"	1.46	37.0	Crimp to knurl
UFW-16	W - Bite to Wire - 1"	1"	1.55	39.2	Full Crimp

Hose Type	Hose End/Fitting Coupling Style	Hose Size (inches)	Crimp Diameter (inches)	Crimp Diameter (mm)	Die Position
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### R5

R5-04	U - Standard/Braided - 3/16	3/16	0.54	13.6	Crimp to knurl
R5-05	U - Standard/Braided - 1/4	1/4	0.66	16.8	Crimp to knurl
R5-06	U - Standard/Braided - 5/16	5/16	0.73	18.4	Crimp to knurl
R5-08	U - Standard/Braided - 7/16	7/16	0.83	21.1	Crimp to knurl
R5-10	U - Standard/Braided - 1/2	1/2	0.92	23.3	Crimp to knurl
R5-12	U - Standard/Braided - 5/8	5/8	1.04	26.3	Crimp to knurl
R5-16	U - Standard/Braided - 7/8	7/8	1.24	31.5	Crimp to knurl
R5-20	U - Standard/Braided - 1-1/8	1-1/8	1.53	38.9	Crimp to knurl
R5-24	U - Standard/Braided - 1-3/8	1-3/8	1.73	43.9	Crimp to knurl
R5-32	U - Standard/Braided - 1-13/16	1-13/16	2.23	56.5	Crimp to knurl

Hose Type	Hose End/Fitting Coupling Style	Hose Size (inches)	Crimp Diameter (inches)	Crimp Diameter (mm)	Die Position
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### High Pressure Tuff Cover Hose

KTSF-12	WHP	3/4"	1.46	37.9	
KTSF-16	WHP	1"	1.74	44.2	
KTSF-20	JJ	1-1/4"		0	

Hose Type	Hose End/Fitting Coupling Style	Hose Size (inches)	Crimp Diameter (inches)	Crimp Diameter (mm)	Die Position
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### Pressure Wash Hose

PW-06	Standard/Braided - 3/8	3/8"	0.71	17.9	Crimp to knurl
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Hose Type	Hose End/Fitting Coupling Style	Hose Size (inches)	Crimp Diameter (inches)	Crimp Diameter (mm)	Die Position
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### R7- Thermoplastic Hose

R7-03	U - Standard/Braided - 3/16	3/16"	0.50	12.6	Crimp to knurl
R7-04	U - Standard/Braided - 1/4	1/4"	0.56	14.1	Crimp to knurl



R7-05	U - Standard/Braided - 5/16	5/16"	0.63	16.0	Crimp to knurl
R7-06	U - Standard/Braided - 3/8	3/8"	0.72	18.3	Crimp to knurl
R7-08	U - Standard/Braided - 1/2	1/2"	0.85	21.6	Crimp to knurl
R7-12	U - Standard/Braided - 3/4	3/4"	1.12	28.4	Crimp to knurl

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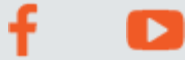
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