KURT HYDRAULICS

Revised 11/13/2026

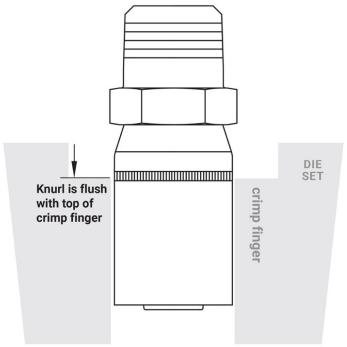
Kurt Hydraulics Crimp Diameter Specifications: KH60 Crimper

The tables below are the recommended crimp diameters and settings for designated fittings to hose combinations using Kurt Hydraulics KH60 crimper. All machines are calibrated differently and so the settings are for reference only. There is a spot available to note the settings according to your machines characteristics. Verify the crimp diameter by measuring the middle of the crimp at half the height of the die fingers using calipers. All units of measure are in inches. All crimp diameters are nominal and carry a tolerance of ±0.005 inches.

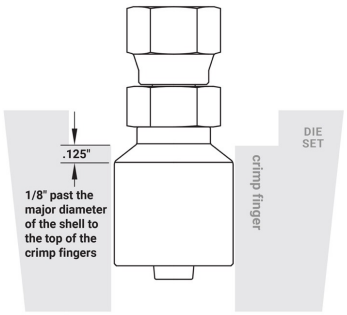


The tables below refer to fittings and hose distributed by Kurt Hydraulics. Kurt Hydraulics is always striving to optimize the performance of the products offered to customers please check periodically for changes to technical data.

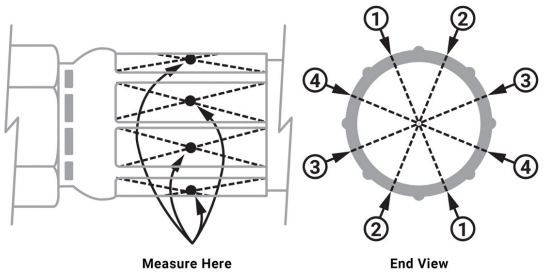
A full body crimp is defined as the top of the crimp fingers extending 1/8 of an inch past the largest diameter of the shell. Do not allow dies to crimp into the factory crimp.



KNURLED COUPLING CRIMP



FULL BODY CRIMP



CRIMP DIAMETER MEASUREMENT LOCATION

SAE Dash Size	Hose Number	Fitting Series	Die position	KHC- Die	Crimp Diameter (+/-.005)	Approx. Gauge Setting	Skive Length	Personal Gauge Setting
-4	R1S-04	STANDARD-1/4	TO KNURL	0.520	0.595	83	0	
-4	R1S-04	K2-SERIES-1/4	FULL	0.520	0.645	74	0	
-4	R1S-04	W-SERIES-1/4	FULL	0.520	0.655	72	0	
-6	R1S-06	STANDARD-3/8	TO KNURL	0.670	0.725	87	0	
-6	R1S-06	K2-SERIES-3/8	FULL	0.670	0.740	84	0	
-6	R1S-06	W-SERIES-3/8	FULL	0.670	0.790	75	0	
-8	R1S-08	STANDARD-1/2	TO KNURL	0.830	0.845	94	0	

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SAE Dash Size	Hose Number	Fitting Series	Die position	KHC- Die	Crimp Diameter (+/-.005)	Approx. Gauge Setting	Skive Length	Personal Gauge Setting
-8	R1S-08	K2-SERIES-1/2	FULL	0.830	0.905	83	0	
-8	R1S-08	W-SERIES-1/2	FULL	0.830	0.920	80	0	
-10	R1S-10	STANDARD-5/8	TO KNURL	0.830	0.995	66	0	
-10	R1S-10	W-SERIES-5/8	FULL	1.100	1.150	88	0	
-12	R1S-12	STANDARD-3/4	TO KNURL	1.100	1.115	94	0	
-12	R1S-12	W-SERIES-3/4	FULL	1.100	1.215	76	0	
-16	R1S-16	STANDARD-1	TO KNURL	1.320	1.430	76	0	
-16	R1S-16	W-SERIES-1	FULL	1.500	1.625	74	0	
-20	R1S-20	STANDARD-1-1/4	TO KNURL	1.730	1.830	78	0	
-20	R1S-20	W-SERIES-1-1/4	FULL	1.920	1.965	89	0	
-4	R2S-04	STANDARD-1/4	TO KNURL	0.520	0.645	74	0	
-4	R2S-04	W-SERIES-1/4	FULL	0.670	0.695	92	0	
-4	R2S-04	K2-SERIES-1/4	FULL	0.670	0.695	92	0	
-6	R2S-06	STANDARD-3/8	TO KNURL	0.670	0.800	73	0	
-6	R2S-06	K2-SERIES-3/8	FULL	0.670	0.815	70	0	
-6	R2S-06	W-SERIES-3/8	FULL	0.830	0.845	93	0	
-8	R2S-08	STANDARD-1/2	TO KNURL	0.830	0.910	82	0	
-8	R2S-08	K2-SERIES-1/2	FULL	0.830	0.955	74	0	
-8	R2S-08	W-SERIES-1/2	FULL	0.830	0.970	71	0	
-10	R2S-10	STANDARD-5/8	TO KNURL	0.830	1.030	60	0	
-10	R2S-10	W-SERIES-5/8	FULL	1.100	1.200	78	0	
-12	R2S-12	STANDARD-3/4	TO KNURL	1.100	1.190	80	0	
-12	R2S-12	W-SERIES-3/4	FULL	1.100	1.285	62	0	
-16	R2S-16	STANDARD-1	TO KNURL	1.500	1.507	97	0	
-16	R2S-16	W-SERIES-1	FULL	1.500	1.665	66	0	
-20	R2S-20	STANDARD-1-1/4	TO KNURL	1.730	1.875	70	0	
-20	R2S-20	W-SERIES-1-1/4	FULL	1.920	2.060	71	0	
-4	R16S-04	STANDARD-1/4	TO KNURL	0.520	0.615	79	0	
-4	R16S-04	W-SERIES-1/4	FULL	0.520	0.670	69	0	
-4	R16S-04	K2-SERIES-1/4	FULL	0.520	0.670	69	0	
-6	R16S-06	STANDARD-3/8	TO KNURL	0.670	0.740	84	0	
-6	R16S-06	K2-SERIES-3/8	FULL	0.670	0.750	82	0	
-6	R16S-06	W-SERIES-3/8	FULL	0.670	0.815	70	0	
-8	R16S-08	STANDARD-1/2	TO KNURL	0.830	0.860	91	0	
-8	R16S-08	W-SERIES-1/2	FULL	0.830	0.945	76	0	
-8	R16S-08	K2-SERIES-1/2	FULL	0.830	0.915	81	0	
-10	R16S-10	STANDARD-5/8	TO KNURL	0.830	1.000	65	0	
-10	R16S-10	W-SERIES-5/8	FULL	1.100	1.178	82	0	
-12	R16S-12	STANDARD-3/4	TO KNURL	1.100	1.130	91	0	
-12	R16S-12	W-SERIES-3/4	FULL	1.100	1.230	73	0	
-16	R16S-16	STANDARD-1	TO KNURL	1.320	1.425	77	0	
-16	R16S-16	W-SERIES-1	FULL	1.500	1.555	87	0	
-4	R17-04	STANDARD-1/4	TO KNURL	0.520	0.565	89	0	
-4	R17-04	W-SERIES-1/4	FULL	0.520	0.625	77	0	

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SAE Dash Size	Hose Number	Fitting Series	Die position	KHC- Die	Crimp Diameter (+/-.005)	Approx. Gauge Setting	Skive Length	Personal Gauge Setting
-4	R17-04	K2-SERIES-1/4	FULL	0.520	0.630	76	0	
-6	R17-06	STANDARD-3/8	TO KNURL	0.670	0.705	90	0	
-6	R17-06	K2-SERIES-3/8	FULL	0.670	0.725	87	0	
-6	R17-06	W-SERIES-3/8	FULL	0.670	0.775	77	0	
-8	R17-08	STANDARD-1/2	TO KNURL	0.830	0.840	95	0	
-8	R17-08	K2-SERIES-1/2	FULL	0.830	0.895	85	0	
-10	R17-10	STANDARD-5/8	TO KNURL	0.830	0.995	66	0	
-10	R17-10	W-SERIES-5/8	FULL	1.100	1.170	84	0	
-12	R17-12	STANDARD-3/4	TO KNURL	1.100	1.140	90	0	
-12	R17-12	W-SERIES-3/4	FULL	1.100	1.275	64	0	
-16	R17-16	W-SERIES-1	FULL	1.500	1.640	71	0	
-4	KT-04	STANDARD-1/4	TO KNURL	0.520	0.600	82	0	
-4	KT-04	W-SERIES-1/4	FULL	0.520	0.660	71	0	
-4	KT-04	K2-SERIES-1/4	FULL	0.520	0.660	71	0	
-6	KT-06	STANDARD-3/8	TO KNURL	0.670	0.750	82	0	
-6	KT-06	K2-SERIES-3/8	FULL	0.670	0.760	80	0	
-6	KT-06	W-SERIES-3/8	FULL	0.670	0.800	73	0	
-8	KT-08	STANDARD-1/2	TO KNURL	0.830	0.860	91	0	
-8	KT-08	K2-SERIES-1/2	FULL	0.830	0.925	79	0	
-8	KT-08	W-SERIES-1/2	FULL	0.830	0.950	75	0	
-10	KT-10	STANDARD-5/8	TO KNURL	0.830	0.985	68	0	
-10	KT-10	W-SERIES-5/8	FULL	1.100	1.170	84	0	
-12	KT-12	STANDARD-3/4	TO KNURL	1.100	1.150	88	0	
-12	KT-12	W-SERIES-3/4	FULL	1.100	1.240	71	0	
-16	KT-16	STANDARD-1	TO KNURL	1.320	1.455	72	0	
-16	KT-16	W-SERIES-1	FULL	1.500	1.545	89	0	
-6	R12-06	W-SERIES-3/8	FULL	0.830	0.870	90	0	
-8	R12-08	W-SERIES-1/2	FULL	0.830	1.010	63	0	
-12	R12-12	W-SERIES-3/4	FULL	1.320	1.320	97	0	
-12	R12-12	WHP SERIES-3/4	FULL	1.320	1.430	76	0	
-16	R12-16	W-SERIES-1	FULL	1.500	1.630	73	0	
-16	R12-16	WHP SERIES-1	FULL	1.500	1.710	58	0	
-20	R12-20	JJ-SERIES-1-1/4	FULL	1.920	1.975	87	2	
-20	R12-20	W-SERIES-1-1/4	FULL	1.920	2.045	74	0	
-12	R13-12	W-SERIES-3/4	FULL	1.320	1.335	94	0	
-12	R13-12	WHP SERIES-3/4	FULL	1.320	1.490	65	0	
-16	R13-16	W-SERIES-1	FULL	1.500	1.645	70	0	
-16	R13-16	WHP SERIES-1	FULL	1.730	1.740	95	0	
-20	R13-20	JJ-SERIES-1-1/4	FULL	1.920	2.050	73	2	
-12	R15-12	WHP SERIES-3/4	FULL	1.320	1.432	76	0	
-16	R15-16	WHP SERIES-1	FULL	1.730	1.740	95	0	
-20	R15-20	JJ-SERIES-1-1/4	FULL	1.920	2.075	68	2	
-12	KTSF-12	WHP SERIES-3/4	FULL	1.320	1.460	71	0	
-16	KTSF-16	WHP SERIES-1	FULL	1.730	1.740	95	0	

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-20	KTSF-20	JJ-SERIES-1-1/4	FULL	1.920	1.965	89	2	
-12	4SH-12	W-SERIES-3/4	FULL	1.320	1.320	97	0	
-12	4SH-12	WHP SERIES-3/4	FULL	1.320	1.430	76	0	
-16	4SH-16	W-SERIES-1	FULL	1.500	1.630	73	0	
-16	4SH-16	WHP SERIES-1	FULL	1.730	1.740	95	0	
-20	4SH-20	JJ-SERIES-1-1/4	FULL	1.920	1.943	93	2	
-20	4SH-20	W-SERIES-1-1/4	FULL	1.920	1.990	84	0	
-10	4SK-10	W-SERIES-5/8	FULL	1.100	1.290	62	0	
-12	4SK-12	W-SERIES-3/4	FULL	1.320	1.330	95	0	
-12	4SK-12	WHP SERIES-3/4	FULL	1.320	1.440	75	0	
-16	4SK-16	W-SERIES-1	FULL	1.500	1.670	65	0	
-16	4SK-16	WHP SERIES-1	FULL	1.680	1.720	90	0	
-20	4SK-20	W-SERIES-1-1/4	FULL	1.920	1.985	85	0	
-6	BH-06	BL-SERIES-5/16	TO HOLE	0.670	0.765	79	0	
-8	BH-08	BL-SERIES-13/32	TO HOLE	0.830	0.875	89	0	
-10	BH-10	BL-SERIES-1/2	TO HOLE	0.830	1.005	64	0	
-12	BH-12	BL SERIES-5/8	TO HOLE	0.830	1.085	48	0	
-4	HJK-04	STANDARD-1/4	TO KNURL	0.520	0.634	75	0	
-4	HJK-04	K2-SERIES-1/4	FULL	0.670	0.670	97	0	
-6	HJK-06	STANDARD-3/8	TO KNURL	0.670	0.760	80	0	
-6	HJK-06	K2-SERIES-3/8	FULL	0.670	0.785	76	0	
-4	PW-04	STANDARD-1/4	TO KNURL	0.520	0.560	90	0	
-4	PW-04	K2-SERIES-1/4	FULL	0.520	0.630	76	0	
-6	PW-06	STANDARD-3/8	TO KNURL	0.670	0.705	90	0	
-6	PW-06	K2-SERIES-3/8	FULL	0.670	0.715	89	0	
-6	PWR2-06	STANDARD-3/8	TO KNURL	0.670	0.750	82	0	
-6	PWR2-06	K2-SERIES-3/8	FULL	0.670	0.765	79	0	
-8	PWR2-08	STANDARD-1/2	TO KNURL	0.830	0.885	87	0	
-8	PWR2-08	K2-SERIES-1/2	FULL	0.830	0.950	75	0	
-4	KJW-04	STANDARD-1/4	TO KNURL	0.520	0.560	90	0	
-4	KJW-04	K2-SERIES-1/4	FULL	0.520	0.630	76	0	
-6	KJW-06	STANDARD-3/8	TO KNURL	0.670	0.675	96	0	
-6	KJW-06	K2-SERIES-3/8	FULL	0.670	0.700	91	0	
-6	KJW2-06	STANDARD-3/8	TO KNURL	0.670	0.715	89	0	
-6	KJW2-06	K2-SERIES-3/8	FULL	0.670	0.735	85	0	
-8	KJW2-08	STANDARD-1/2	TO KNURL	0.830	0.885	87	0	
-8	KJW2-08	K2-SERIES-1/2	FULL	0.830	0.950	75	0	
-4	R115-04	SST-SERIES-3/16	TO KNURL	0.350	0.355	96	0	
-5	R115-05	SST-SERIES-1/4	TO KNURL	0.450	0.470	93	0	
-6	R115-06	SST-SERIES-5/16	TO KNURL	0.520	0.546	92	0	
-6T	R115-06T	SST-SERIES-3/8	TO KNURL	0.520	0.580	86	0	
-8	R115-08	SST-SERIES-7/16	TO KNURL	0.520	0.650	73	0	
-10	R115-10	SST-SERIES-1/2	TO KNURL	0.670	0.715	89	0	
-12	R115-12	SST-SERIES-5/8	TO KNURL	0.830	0.865	90	0	

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SAE Dash Size	Hose Number	Fitting Series	Die position	KHC- Die	Crimp Diameter (+/-.005)	Approx. Gauge Setting	Skive Length	Personal Gauge Setting
-12T	R115-12T	SST-SERIES-3/4	TO KNURL	0.830	1.015	62	0	
-16T	R115-16T	SST-SERIES-1	TO KNURL	1.100	1.240	71	0	
-12	R4-12	STANDARD-3/4	TO KNURL	1.100	1.235	72	0	
-12	R4-12	W-SERIES-3/4	FULL	1.320	1.330	95	0	
-16	R4-16	STANDARD-1	TO KNURL	1.320	1.465	70	0	
-16	R4-16	W-SERIES-1	FULL	1.500	1.650	26	0	
-20	R4-20	STANDARD-1-1/4	TO KNURL	1.730	1.780	88	0	
-20	R4-20	W-SERIES-1-1/4	FULL	1.920	2.030	76	0	
-24	R4-24	R4-SERIES-1-1/2	1.73"	1.920	1.980	86	0	
-4	R5-04	R5-SERIES-3/16	TO KNURL	0.520	0.535	94	0	
-5	R5-05	STANDARD-1/4	TO KNURL	0.520	0.625	77	0	
-6	R5-06	R5-SERIES-5/16	TO KNURL	0.670	0.705	90	0	
-8	R5-08	R5-SERIES-7/16	TO KNURL	0.670	0.805	72	0	
-10	R5-10	STANDARD-1/2	TO KNURL	0.830	0.915	81	0	
-12	R5-12	R5 SERIES-5/8	TO KNURL	0.830	1.085	49	0	
-16	R5-16	R5-SERIES-7/8	TO KNURL	1.100	1.240	71	0	
-20	R5-20	R5-SERIES-1-1/8	TO KNURL	1.500	1.533	91	0	
-24	R5-24	R5-SERIES-1-3/8	TO KNURL	1.730	1.840	75	0	
-2	R7-02	R7-SERIES-1/8	FULL	0.350	0.355	96	0	
-3	R7-03	STANDARD-3/16	TO KNURL	0.450	0.495	89	0	
-4	R7-04	STANDARD-1/4	TO KNURL	0.520	0.580	86	0	
-4	R7-04	R7-SERIES-1/4	1.08"	0.520	0.580	86	0	
-5	R7-05	R7-SERIES-5/16	TO KNURL	0.520	0.630	76	0	
-6	R7-06	STANDARD-3/8	TO KNURL	0.670	0.720	88	0	
-6	R7-06	R7-SERIES-3/8	1.27"	0.670	0.720	88	0	
-8	R7-08	STANDARD-1/2	TO KNURL	0.830	0.850	93	0	
-8	R7-08	R7-SERIES-1/2	1.44"	0.830	0.850	93	0	
-12	R7-12	STANDARD-3/4	TO KNURL	1.100	1.120	93	0	
-12	R7-12	R7-SERIES-3/4	1.27"	1.100	1.120	93	0	
-16	R7-16	STANDARD-1	TO KNURL	1.320	1.400	82	0	
-16	R7-16	R7-SERIES-1	1.32"	1.320	1.400	82	0	
-4	R18-04	STANDARD-1/4	TO KNURL	0.520	0.560	90	0	
-6	R18-06	STANDARD-3/8	TO KNURL	0.670	0.740	84	0	
-8	R18-08	STANDARD-1/2	TO KNURL	0.830	0.905	83	0	
-3	R8-03	STANDARD-3/16	TO KNURL	0.450	0.485	90	0	
-4	R8-04	STANDARD-1/4	TO KNURL	0.520	0.580	86	0	
-6	R8-06	STANDARD-3/8	TO KNURL	0.670	0.725	87	0	
-8	R8-08	STANDARD-1/2	TO KNURL	0.830	0.830	97	0	
-4	KEH-04	K2-SERIES-1/4	FULL	0.520	0.620	78	0	
-6	KEH-06	K2-SERIES-3/8	FULL	0.670	0.725	87	0	
-8	KEH-08	K2-SERIES-1/2	FULL	0.830	0.905	83	0	
-10	KEH-10	W-SERIES-5/8	FULL	1.100	1.150	88	0	
-12	KEH-12	W-SERIES-3/4	FULL	1.100	1.250	69	0	
-16	KEH-16	W-SERIES-1	FULL	1.500	1.625	74	0	

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SAE Dash Size	Hose Number	Fitting Series	Die position	KHC- Die	Crimp Diameter (+/-.005)	Approx. Gauge Setting	Skive Length	Personal Gauge Setting
-4	KHTR16S-04	K2-SERIES-1/4	FULL	0.520	0.620	78	0	
-6	KHTR16S-06	K2-SERIES-3/8	FULL	0.670	0.725	87	0	
-8	KHTR16S-08	K2-SERIES-1/2	FULL	0.830	0.905	83	0	
-10	KHTR16S-10	W-SERIES-5/8	FULL	1.100	1.150	88	0	
-12	KHTR16S-12	W-SERIES-3/4	FULL	1.100	1.250	69	0	
-16	KHTR16S-16	W-SERIES-1	FULL	1.500	1.625	74	0	
-4	KPL-04	STANDARD-1/4	TO KNURL	0.520	0.585	85	0	
-6	KPL-06	STANDARD-3/8	TO KNURL	0.670	0.715	89	0	
-8	KPL-08	STANDARD-1/2	TO KNURL	0.830	0.840	95	0	
-10	KPL-10	STANDARD-5/8	TO KNURL	0.830	1.000	65	0	
-12	KPL-12	STANDARD-3/4	TO KNURL	1.100	1.100	97	0	
-6	RBH-06	BLR-SERIES-5/16	TO HOLE	0.520	0.595	83	0	
-8	RBH-08	BLR-SERIES-13/32	TO HOLE	0.670	0.695	92	0	
-10	RBH-10	BLR-SERIES-1/2	TO HOLE	0.670	0.775	77	0	
-12	RBH-12	BLR-SERIES-5/8	TO HOSE	0.830	0.925	79	0	
-4	LPG-04	STANDARD-1/4	KNURL	0.520	0.600	82	0	
-5	LPG-05	STANDARD-5/16	KNURL	Crimp specifications coming soon				
-6	LPG-06	STANDARD-3/8	KNURL	0.670	0.725	87	0	
-8	LPG-08	STANDARD-1/2	KNURL	0.830	0.950	75	0	
-10	LPG-10	STANDARD-5/8	KNURL	0.830	1.08	63.5	0	
-12	LPG-12	STANDARD-3/4	KNURL	Crimp specifications coming soon				
-16	LPG-16	STANDARD-1	KNURL	Crimp specifications coming soon				

Email: hydraulictech@kurt.com **Toll Free: 866.257.7995** **Fax: 308.787.1281**