

SECTION B | **Hydraulic Fittings**

Series HW Crimp Fittings

Series KW Crimp Fittings

Series PW Crimp Fittings

Series RW Crimp Fittings

Series R5 Reuseable Fittings

Series SB Crimp Fittings

Series SH Crimp Fittings

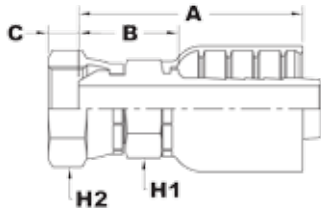
Series SW Crimp Fittings

Series TB/TS Crimp Fittings

Unisource “KW” series fittings are cost effective, permanent, Bite-the-Wire style crimp fittings made for easy and quick assembly using our family of Unisource crimpers. Compatible on all wire braided hydraulic hose.

SERIES KW CRIMP FITTINGS

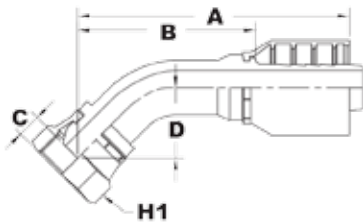
(FOR HOSE SERIES 3010, 3100, 3150, 3200, 3250, 3117, 3216, 4117, 4210, 4216, 5117, 5216)



STYLE FBSPK-KW

BSPP Female Swivel
60° Cone

Part No.	Thread Size	Hose ID (Inches)	Dimensions									
			A		B		C		H1		H2	
			in	mm	in	mm	in	mm	in	mm	in	mm
4FBSPK-4KW	1/4-19	1/4	1.77	45	.984	25	.173	4.4	.669	17	.748	19
6FBSPK-6KW	3/8-19	3/8	2.16	55	1.10	28	.244	6.2	.748	19	.866	22
8FBSPK-6KW	1/2-14	3/8	2.20	56	1.14	29	.264	6.7	.866	22	1.06	27
8FBSPK-8KW	1/2-14	1/2	2.36	60	1.14	29	.264	6.7	.866	22	1.06	27
10FBSPK-10KW	5/8-14	5/8	2.64	67	1.14	29	.295	7.5	1.06	27	1.06	27
12FBSPK-12KW	3/4-14	3/4	2.80	71	1.26	32	.350	8.9	1.06	27	1.42	36
16FBSPK-16KW	1-11	1	3.19	81	1.42	36	.421	10.7	1.42	36	1.61	41



STYLE FBSPK45T-KW

BSPP Female Swivel
60° Cone
45° Bent Tube

Part No.	Thread Size	Hose ID (Inches)	Dimensions									
			A		B		C		D		H1	
			in	mm	in	mm	in	mm	in	mm	in	mm
4FBSPK45T-4KW	1/4-19	1/4	2.28	58	1.50	38	.173	4.4	.669	17	.748	19
6FBSPK45T-6KW	3/8-19	3/8	2.80	71	1.73	44	.244	6.2	.748	19	.866	22
8FBSPK45T-8KW	1/2-14	1/2	3.31	84	2.05	52	.264	6.7	.906	23	1.06	27
12FBSPK45T-12KW	3/4-14	3/4	4.61	117	3.03	77	.350	8.9	1.18	30	1.42	36
16FBSPK45T-16KW	1-11	1	4.92	125	3.15	80	.421	10.7	1.73	44	1.61	41

Hydraulic Hose

A

Hydraulic Fittings

B

Support Products & Crimping Equipment

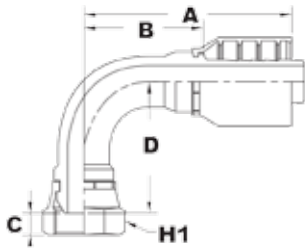
C

Technical Information & Guidelines

D

SERIES KW CRIMP FITTINGS

(FOR HOSE SERIES 3010, 3100, 3150, 3200, 3250, 3117, 3216, 4117, 4210, 4216, 5117, 5216)



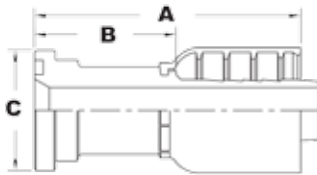
STYLE FBSPP90T-KW

BSPP Female Swivel

60° Con

90° Bent Tube

Part No.	Thread Size	Hose ID (Inches)	Dimensions									
			A		B		C		D		H1	
			in	mm	in	mm	in	mm	in	mm	in	mm
4FBSPP90T-4KW	1/4-19	1/4	2.01	51	1.18	30	.173	4.4	1.10	28	.748	19
6FBSPP90T-6KW	3/8-19	3/8	2.72	69	1.65	42	.244	1.26	1.26	32	.866	22
8FBSPP90T-8KW	1/2-14	1/2	2.76	70	1.50	38	.264	6.7	1.38	35	1.06	27
12FBSPP90T-12KW	3/4-14	3/4	3.98	101	2.40	61	.350	8.9	2.13	54	1.42	36
16FBSPP90T-16KW	1-11	1	4.96	126	3.19	81	.421	10.7	2.56	65	1.61	41



STYLE FHSA-KW

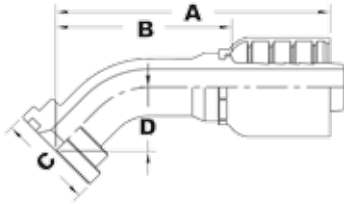
SAE Code 61 Flange

Straight

Part No.	Flange Size	Hose ID (Inches)	Dimensions					
			A		B		C	
			in	mm	in	mm	in	mm
8FHSA-8KW	1/2"	1/2	2.99	76	1.77	45	1.19	30.1
12FHSA-8KW	3/4"	1/2	2.99	76	1.77	45	1.50	38.1
12FHSA-12KW	3/4"	3/4	3.31	84	1.77	45	1.50	38.1
16FHSA-12KW	1"	3/4	3.15	80	1.61	41	1.75	44.4
16FHSA-16KW	1"	1	3.98	101	2.20	56	1.75	44.4

SERIES KW CRIMP FITTINGS

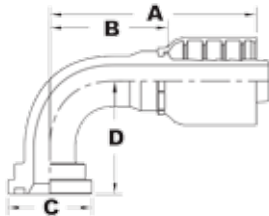
(FOR HOSE SERIES 3010, 3100, 3150, 3200, 3250, 3117, 3216, 4117, 4210, 4216, 5117, 5216)



STYLE FH4A-KW

SAE Code 61 Flange
45° Bent Tube

Part No.	Flange Size	Hose ID (Inches)	Dimensions							
			A		B		C		D	
			in	mm	in	mm	in	mm	in	mm
8FH4A-8KW	1/2"	1/2	3.15	80	1.89	48	1.19	30.1	.748	19
12FH4A-8KW	3/4"	1/2	3.27	83	2.01	51	1.50	38.1	.866	22
12FH4A-12KW	3/4"	3/4	4.57	116	2.99	76	1.50	38.1	1.14	29
16FH4A-12KW	1"	3/4	4.57	116	2.99	76	1.75	44.4	1.14	29
16FH4A-16KW	1"	1	4.91	112	3.03	77	1.75	44.4	1.22	31



STYLE FH9A-KW

SAE Code 61 Flange
90° Bent Tube

Part No.	Flange Size	Hose ID (Inches)	Dimensions							
			A		B		C		D	
			in	mm	in	mm	in	mm	in	mm
8FH9A-8KW	1/2"	1/2	2.76	70	1.50	38	.811	20.6	1.34	34
12FH9A-8KW	3/4"	1/2	2.76	70	1.50	38	1.50	38.1	1.38	35
12FH9A-12KW	3/4"	3/4	3.98	101	2.40	61	1.50	38.1	2.13	54
16FH9A-12KW	1"	3/4	3.98	101	2.40	61	1.75	44.4	2.13	54
16FH9A-16KW	1"	1	4.96	126	3.19	81	1.75	44.4	2.44	62

Hydraulic Hose

A

Hydraulic Fittings

B

Support Products & Crimping Equipment

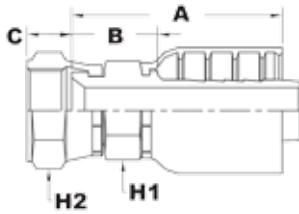
C

Technical Information & Guidelines

D

SERIES KW CRIMP FITTINGS

(FOR HOSE SERIES 3010, 3100, 3150, 3200, 3250, 3117, 3216, 4117, 4210, 4216, 5117, 5216)



STYLE FJ-KW

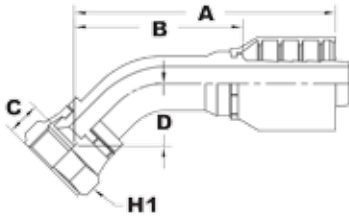
JIC Female Swivel
37° Flare

Part No.	Thread Size	Hose ID (Inches)	Dimensions									
			A		B		C		H1		H2	
			in	mm	in	mm	in	mm	in	mm	in	mm
4FJ-4KW*	7/16-20	1/4	1.61	41	.827	21	.343	8.7	.559	14.2	.559	14.2
5FJ-4KW	1/2-20	1/4	1.65	42	.866	22	.374	9.5	.559	14.2	.559	14.2
6FJ-4KW	9/16-18	1/4	1.65	42	.866	22	.374	9.5	.559	14.2	.685	17.4
4FJ-6KW	7/16-20	3/8	1.89	48	.827	21	.343	8.7	.685	17.4	.559	14.2
6FJ-6KW*	9/16-18	3/8	1.97	50	.906	23	.374	9.5	.685	17.4	.685	17.4
8FJ-6KW	3/4-16	3/8	1.97	50	.906	23	.421	10.7	.685	17.4	.874	22.2
10FJ-6KW	7/8-14	3/8	1.97	50	.906	23	.500	12.7	.874	22.2	1.00	25.4
6FJ-8KW	9/16-18	1/2	2.09	53	.906	23	.374	9.5	.874	22.2	.685	17.4
8FJ-8KW*	3/4-16	1/2	2.13	54	.906	23	.421	10.7	.874	22.2	.874	22.2
10FJ-8KW	7/8-14	1/2	2.17	55	.945	24	.500	12.7	.874	22.2	1.00	25.4
12FJ-8KW	1-1/16-12	1/2	2.27	58	1.06	27	.562	14.3	1.06	26.9	1.25	31.7
10FJ-10KW	7/8-14	5/8	2.48	63	.984	25	.500	12.7	.874	22.2	1.00	25.4
12FJ-10KW	1-1/16-12	5/8	2.56	65	1.06	27	.562	14.3	1.06	26.9	1.25	31.7
10FJ-12KW	7/8-14	3/4	2.52	64	.984	25	.500	12.7	.874	22.2	1.00	25.4
12FJ-12KW*	1-1/16-12	3/4	2.60	66	1.06	27	.562	14.3	1.06	26.9	1.25	31.7
14FJ-12KW	1-3/16-12	3/4	2.76	70	1.22	31	.571	14.5	1.38	34.9	1.50	38.1
16FJ-12KW	1-5/16-12	3/4	2.83	72	1.3	33	.590	15.1	1.5	38.1	1.37	39.9
12FJ-16KW	1-1/16-12	1	2.83	72	1.06	27	.562	14.3	1.06	26.9	1.25	31.7
16FJ-16KW*	1-5/16-12	1	3.07	78	1.30	33	.594	15.1	1.50	38.1	1.37	34.9
20FJ-20KW	1-5/8-12	1-1/4	3.23	82	1.38	35	.626	15.9	2.00	50.8	2.00	50.8

*Available in 316 stainless steel.

SERIES KW CRIMP FITTINGS

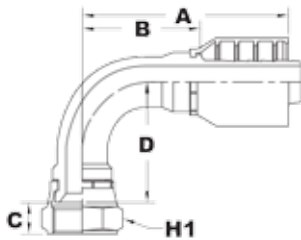
(FOR HOSE SERIES 3010, 3100, 3150, 3200, 3250, 3117, 3216, 4117, 4210, 4216, 5117, 5216)



STYLE FJ45T-KW

JIC Female Swivel
37° Flare
45° Bent Tube

Part No.	Thread Size	Hose ID (Inches)	Dimensions									
			A		B		C		D		H1	
			in	mm	in	mm	in	mm	in	mm	in	mm
4FJ45T-4KW	7/16-20	1/4	2.17	55	1.34	34	.343	8.7	.511	13	.559	14.2
5FJ45T-4KW	1/2-20	1/4	2.17	55	1.34	34	.374	9.5	.511	13	.685	17.4
6FJ45T-4KW	9/16-18	1/4	2.10	56	1.38	35	.374	9.5	.551	14	.685	17.4
6FJ45T-6KW	9/16-18	3/8	2.68	68	1.61	41	.374	9.5	.630	16	.685	17.4
8FJ45T-6KW	3/4-16	3/8	2.68	68	1.61	41	.421	10.7	.630	16	.874	22.2
8FJ45T-8KW	3/4-16	1/2	3.15	80	1.89	48	.421	10.7	.748	19	.874	22.2
10FJ45T-8KW	7/8-14	1/2	3.15	80	1.89	48	.499	12.7	.748	19	1.00	25.4
10FJ45T-10KW	7/8-14	5/8	3.54	90	2.00	51	.499	12.7	.748	19	1.00	25.4
12FJ45T-10KW	1-1/16-12	5/8	3.54	90	2.00	51	.563	14.3	.748	19	1.25	31.7
12FJ45T-12KW	1-1/16-12	3/4	4.45	113	2.87	73	.563	14.3	1.02	26	1.25	31.7
16FJ45T-12KW	1-5/16-12	3/4	4.61	117	3.03	77	.594	15.1	1.22	31	1.50	38.1
16FJ45T-16KW	1-5/16-12	1	4.80	122	3.03	77	.594	15.1	1.22	31	1.50	38.1



STYLE FJ90T-KW

JIC Female Swivel
37° Flare
90° Bent Tube

Part No.	Thread Size	Hose ID (Inches)	Dimensions									
			A		B		C		D		H1	
			in	mm	in	mm	in	mm	in	mm	in	mm
4FJ90T-4KW	7/16-20	1/4	2.00	51	1.18	30	.343	8.7	.945	24	.556	14.2
5FJ90T-4KW	1/2-20	1/4	2.00	51	1.18	30	.374	9.5	.945	24	.685	17.4
6FJ90T-4KW	9/16-18	1/4	2.00	51	1.18	30	.374	9.5	.984	25	.685	17.4
6FJ90T-6KW	9/16-18	3/8	2.72	69	1.65	42	.374	9.5	1.14	29	.685	17.4
8FJ90T-6KW	3/4-16	3/8	2.72	69	1.65	42	.421	10.7	1.14	29	.874	22.2
8FJ90T-8KW	3/4-16	1/2	2.76	70	1.50	38	.421	10.7	1.22	31	.874	22.2
10FJ90T-8KW	7/8-14	1/2	2.76	70	1.50	38	.500	12.7	1.22	31	1.00	25.4
10FJ90T-10KW	7/8-14	5/8	2.80	71	1.65	42	.500	12.7	1.38	35	1.00	25.4
12FJ90T-10KW	1-1/16-12	5/8	2.80	71	1.65	42	.563	14.3	1.50	38	1.25	31.7
12FJ90T-12KW	1-1/16-12	3/4	3.98	101	2.40	61	.563	14.3	1.97	50	1.25	31.7
16FJ90T-12KW	1-5/16-12	3/4	4.76	121	3.19	81	.563	15.1	2.44	62	1.5	38.1
16FJ90T-16KW	1-5/16-12	1	4.96	126	3.19	81	.563	15.1	2.44	62	1.5	38.1

Hydraulic Hose

A

Hydraulic Fittings

B

Support Products & Crimping Equipment

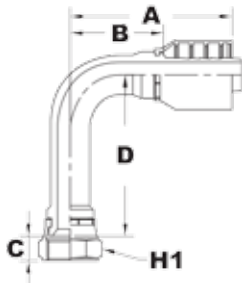
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Technical Information & Guidelines

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SERIES KW CRIMP FITTINGS

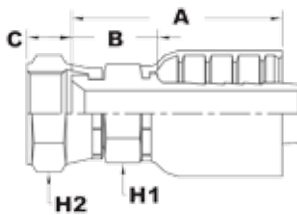
(FOR HOSE SERIES 3010, 3100, 3150, 3200, 3250, 3117, 3216, 4117, 4210, 4216, 5117, 5216)



STYLE FJ90TL-KW

JIC Female Swivel
30° Flare
90° Bent Tube—Long Drop

Part No.	Thread Size	Hose ID (Inches)	Dimensions									
			A		B		C		D		H1	
			in	mm	in	mm	in	mm	in	mm	in	mm
4FJ90TL-4KW	7/16—20	1/4	2.00	51	1.18	30	.343	8.7	1.81	46	.556	14.2
6FJ90TL-4KW	9/16—18	1/4	2.48	63	1.65	42	.374	9.5	2.17	55	.685	17.4
6FJ90TL-6KW	9/16—18	3/8	2.72	69	1.65	42	.374	9.5	2.17	55	.685	17.4
8FJ90TL-6KW	3/4—16	3/8	2.72	69	1.65	42	.421	10.7	2.44	62	.874	22.2
8FJ90TL-8KW	3/4—16	1/2	2.76	70	1.50	38	.421	10.7	2.44	62	.874	22.2
10FJ90TL-8KW	7/8—14	1/2	2.76	70	1.50	38	.500	12.7	2.56	65	1.00	25.4
10FJ90TL-10KW	7/8—14	5/8	2.80	71	1.65	42	.500	12.7	2.56	65	1.00	25.4
12FJ90TL-12KW	1-1/16—12	3/4	3.98	101	2.40	61	.562	14.3	3.74	95	1.25	31.7
16FJ90TL-16KW	1-5/16—12	1	4.96	126	3.19	81	.594	15.1	4.33	110	1.50	38.1



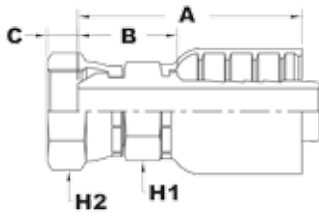
STYLE FJIS-KW

JIS Female Swivel
30° Flare

Part No.	Thread Size	Hose ID (Inches)	Dimensions									
			A		B		C		H1		H2	
			in	mm	in	mm	in	mm	in	mm	in	mm
4FJIS-4KW	1/4—19	1/4	1.73	44	.945	24	.236	6	.748	19	.748	19
6FJIS-6KW	3/8—19	3/8	1.73	44	.945	24	.276	7	.866	22	.866	22
8FJIS-8KW	1/2—14	1/2	2.24	57	1.02	26	.394	10	1.06	27	1.06	27
12FJIS-12KW	3/4—14	3/4	2.76	70	1.22	31	.394	10	1.26	32	1.42	36
16FJIS-16KW	1—11	1	3.15	80	1.38	35	.472	12	1.42	36	1.61	41

SERIES KW CRIMP FITTINGS

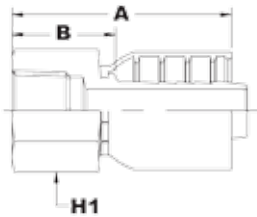
(FOR HOSE SERIES 3010, 3100, 3150, 3200, 3250, 3117, 3216, 4117, 4210, 4216, 5117, 5216)



STYLE FNPSM-KW

NPSM Female Swivel
30° Cone

Part No.	Thread Size	Hose ID (Inches)	Dimensions							
			A		B		H1		H2	
			in	mm	in	mm	in	mm	in	mm
4FNPSM-4KW	1/4-18	1/4	1.73	44	1.18	30	0.75	19	.748	19
6FNPSM-6KW	3/8-18	3/8	2.05	52	1.26	32	0.87	22	.866	22
8FNPSM-8KW	1/2-12	1/2	2.25	57	1.42	36	1.06	27	1.06	27
12FNPSM-12KW	3/4-14	3/4	2.76	70	1.61	41	1.26	32	1.42	36
16FNPSM-16KW	1-11-1/2	1	3.15	80	1.85	47	1.42	36	1.61	41



STYLE FP-KW

NPFT Female Rigid

Part No.	Thread Size	Hose ID (Inches)	Dimensions					
			A		B		H1	
			in	mm	in	mm	in	mm
2FP-4KW	1/8-27	1/4	1.74	44.3	.925	23.5	.626	15.9
4FP-4KW	1/4-18	1/4	1.74	44.3	.925	23.5	.748	19.0
4FP-6KW	1/4-18	3/8	2.02	51.3	.925	23.5	.748	19.0
6FP-6KW	3/8-18	3/8	2.17	55.0	1.10	28.0	.866	22.0
8FP-6KW	1/2-14	3/8	2.30	58.4	1.24	31.5	1.06	27.0
8FP-8KW	1/2-14	1/2	2.50	63.5	1.24	31.5	1.06	27.0
12FP-12KW	3/4-14	3/4	2.93	74.3	1.38	35.0	1.42	36.0

Hydraulic Hose

A

Hydraulic Fittings

B

Support Products & Crimping Equipment

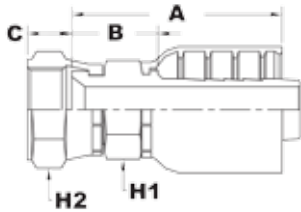
C

Technical Information & Guidelines

D

SERIES KW CRIMP FITTINGS

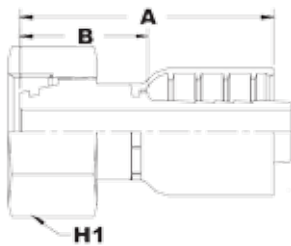
(FOR HOSE SERIES 3010, 3100, 3150, 3200, 3250, 3117, 3216, 4117, 4210, 4216, 5117, 5216)



STYLE FSAE-KW

SAE 45° Flare Female Swivel

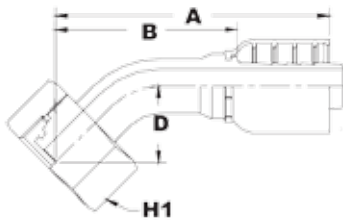
Part No.	Thread Size	Hose ID (Inches)	Dimensions									
			A		B		C		H1		H2	
			in	mm	in	mm	in	mm	in	mm	in	mm
6FSAE-6KW	5/8-18	3/8	1.97	50	.906	23	.374	9.5	.685	17.4	.685	17.4
12FSAE-12KW	1-1/16-14	3/4	2.60	66	1.06	27	.563	14.3	1.06	26.9	1.25	31.7



STYLE FSMH-KW

Metric Female Swivel
Heavy Series 24° Cone

Part No.	Thread Size	Hose ID (Inches)	Tube OD (mm)	Dimensions					
				A		B		H1	
				in	mm	in	mm	in	mm
16FSMH-4KW	M16x1.5	1/4	8	1.77	45	0.98	25	.866	22
18FSMH-4KW	M18x1.5	1/4	10	1.89	48	1.10	28	.866	22
20FSMH-6KW	M20x1.5	3/8	12	2.32	59	1.26	32	.945	24
24FSMH-8KW	M24x1.5	1/2	16	2.60	66	1.38	35	1.26	32
30FSMH-12KW	M30x2.0	3/4	20	2.80	71	1.26	32	1.42	36
36FSMH-12KW	M36x2.0	3/4	25	3.15	80	1.61	41	1.81	46
42FSMH-16KW	M42x2.0	1	30	3.58	91	1.81	46	1.97	50



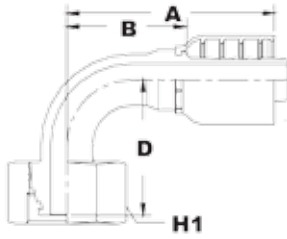
STYLE FSMH45T-KW

Metric Female Swivel
Heavy Series 24° Cone
45° Bent Tube

Part No.	Thread Size	Hose ID (Inches)	Tube OD (mm)	Dimensions							
				A		B		D		H1	
				in	mm	in	mm	in	mm	in	mm
16FSMH45T-4KW	M16x1.5	1/4	8	2.24	57	1.46	37	.630	16	1.42	36
18FSMH45T-4KW	M18x1.5	1/4	10	2.52	64	1.69	43	.826	21	.866	22
20FSMH45T-6KW	M20x1.5	3/8	12	2.95	75	1.89	48	.906	23	.945	24
24FSMH45T-8KW	M24x1.5	1/2	16	3.50	89	2.24	57	1.18	30	1.26	32
36FSMH45T-12KW	M36x2.0	3/4	25	4.88	124	3.31	84	1.46	37	1.81	46
42FSMH45T-16KW	M42x2.0	1	30	5.12	130	3.35	85	1.50	38	1.97	50

SERIES KW CRIMP FITTINGS

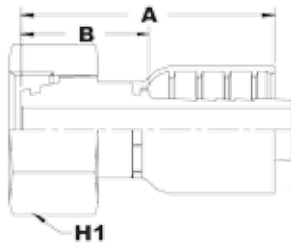
(FOR HOSE SERIES 3010, 3100, 3150, 3200, 3250, 3117, 3216, 4117, 4210, 4216, 5117, 5216)



STYLE FSMH90T-KW

Metric Female Swivel
Heavy Series 24° Cone
90° Bent Tube

Part No.	Thread Size	Hose ID (Inches)	Tube OD (mm)	Dimensions							
				A		B		D		H1	
				in	mm	in	mm	in	mm	in	mm
16FSMH90T-4KW	M16x1.5	1/4	8	2.01	51	1.18	30	1.06	27	1.42	36
18FSMH90T-4KW	M18x1.5	1/4	10	2.01	51	1.18	30	1.34	34	.866	22
20FSMH90T-6KW	M20x1.5	3/8	12	2.72	69	1.65	42	1.38	35	.945	24
22FSMH90T-6KW	M22x1.5	3/8	14	2.72	69	1.65	42	1.42	36	1.06	27
24FSMH90T-8KW	M24x1.5	1/2	16	2.76	70	1.50	38	1.57	40	1.26	32
36FSMH90T-12KW	M36x2.0	3/4	25	3.98	101	2.40	61	2.44	62	1.81	46
42FSMH90T-16KW	M42x2.0	1	30	4.96	126	3.19	81	2.76	70	1.97	50



STYLE FSML-KW

Metric Female Swivel
Light Series 24° Cone

Part No.	Thread Size	Hose ID (Inches)	Tube OD (mm)	Dimensions					
				A		B		H1	
				in	mm	in	mm	in	mm
14FSML-4KW	M14x1.5	1/4	8	1.89	48	1.10	28	.748	19
16FSML-6KW	M16x1.5	3/8	10	2.32	59	1.26	32	.866	22
18FSML-6KW	M18x1.5	3/8	12	2.28	58	1.22	31	.866	22
22FSML-8KW	M22x1.5	1/2	15	2.60	66	1.38	35	1.06	27
30FSML-12KW	M30x2.0	3/4	22	3.15	80	1.61	41	1.42	36
36FSML-16KW	M36x2.0	1	28	3.58	91	1.81	46	1.81	46

Hydraulic Hose

A

Hydraulic Fittings

B

Support Products & Crimping Equipment

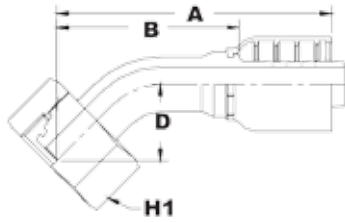
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SERIES KW CRIMP FITTINGS

(FOR HOSE SERIES 3010, 3100, 3150, 3200, 3250, 3117, 3216, 4117, 4210, 4216, 5117, 5216)



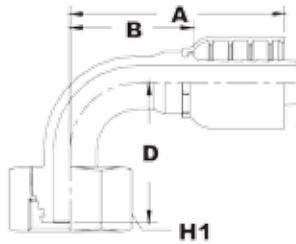
STYLE FSML45T-KW

Metric Female Swivel

24° Cone

45° Bent Tube

Part No.	Thread Size	Hose ID (Inches)	Tube OD (mm)	Dimensions							
				A		B		D		H1	
				in	mm	in	mm	in	mm	in	mm
14FSML45T-4KW	M14x1.5	1/4	8	2.36	60	1.54	39	.709	18	.748	19
16FSML45T-4KW	M16x1.5	1/4	10	2.87	73	1.81	46	.827	21	.866	22
18FSML45T-6KW	M18x1.5	3/8	12	2.87	73	1.81	46	.827	21	.866	22
22FSML45T-8KW	M22x1.5	1/2	15	3.43	87	2.16	55	1.10	28	1.06	27
30FSML45T-12KW	M30x2.0	3/4	22	4.84	123	3.27	83	1.42	36	1.42	36
36FSML45T-16KW	M36x2.0	1	28	5.08	129	3.31	84	1.46	37	1.81	46



STYLE FSML90T-KW

Metric Female Swivel

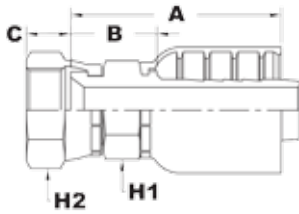
Light Series 24° Cone

90° Bent Tube

Part No.	Thread Size	Hose ID (Inches)	Tube OD (mm)	Dimensions							
				A		B		C		H1	
				in	mm	in	mm	in	mm	in	mm
14FSML90T-4KW	M14x1.5	1/4	8	2.01	51	1.18	30	1.18	30	.748	19
16FSML90T-4KW	M16x1.5	3/8	10	2.72	69	1.65	42	1.26	32	.866	22
18FSML90T-6KW	M28x1.5	3/8	12	2.72	69	1.65	42	1.30	33	.866	22
22FSML90T-8KW	M22x1.5	1/2	15	2.76	70	1.50	38	1.46	37	1.06	27
30FSML90T-12KW	M30x2	3/4	22	3.98	101	2.40	61	2.40	61	1.42	36
36FSML90T-16KW	M36x2	1	28	4.96	126	3.19	81	2.68	68	1.81	46

SERIES KW CRIMP FITTINGS

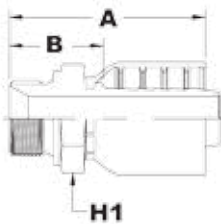
(FOR HOSE SERIES 3010, 3100, 3150, 3200, 3250, 3117, 3216, 4117, 4210, 4216, 5117, 5216)



STYLE KMFS-KW

Komatsu Female Swivel
30° Flare, Metric Thread

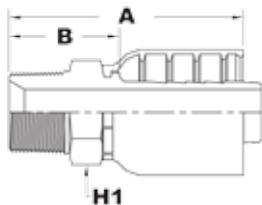
Part No.	Thread Size	Hose ID (Inches)	Dimensions									
			A		B		C		H1		H2	
			in	mm	in	mm	in	mm	in	mm	in	mm
14KMFS-4KW	M14x1.5	1/4	1.61	41	.827	21	.394	10	.669	17	.748	19
18KMFS-6KW	M18x1.5	3/8	1.97	50	.906	23	.433	11	.866	22	.945	24
22KMFS-8KW	M22x1.5	1/2	2.17	55	.945	24	.492	12.5	1.06	27	1.06	27
24KMFS-10KW	M24x1.5	5/8	2.72	69	1.22	31	.551	14	1.06	27	1.26	32
30KMFS-12KW	M30x1.5	3/4	2.99	76	1.46	37	.571	14.5	1.26	32	1.42	36
33KMFS-16KW	M33x1.5	1	3.11	79	1.34	34	.630	16	1.42	36	1.61	41



STYLE MBSPP-KW

BSPP Male Solid 60° Seat
Parallel Threads

Part No.	Thread Size	Hose ID (Inches)	Dimensions					
			A		B		H1	
			in	mm	in	mm	in	mm
4MBSPP-4KW	1/4-19	1/4	1.83	47	1.04	27	.748	19
6MBSPP-6KW	3/8-19	3/8	2.19	56	1.12	29	.866	22
8MBSPP-6KW	1/2-14	3/8	2.40	61	1.34	34	1.06	27
8MBSPP-8KW	1/2-14	1/2	2.52	64	1.34	34	1.06	27
12MBSPP-12KW	3/4-14	3/4	3.09	79	1.56	40	1.26	32



STYLE MBSPT-KW

BSPT Male Solid
Tapered Threads

Part No.	Thread Size	Hose ID (Inches)	Dimensions					
			A		B		H1	
			in	mm	in	mm	in	mm
4MBSPT-4KW	1/4-19	1/4	1.65	42	.866	22	.748	19
6MBSPT-6KW	3/8-19	3/8	2.13	54	1.06	27	.866	22
8MBSPT-8KW	1/2-14	1/2	2.32	62	1.10	31	1.06	27
12MBSPT-12KW	3/4-14	3/4	2.95	75	1.42	36	1.26	32

Hydraulic Hose

A

Hydraulic Fittings

B

Support Products &
Crimping Equipment

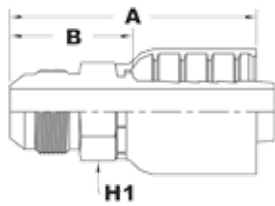
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Technical Information &
Guidelines

D

SERIES KW CRIMP FITTINGS

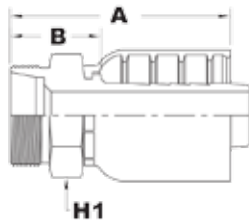
(FOR HOSE SERIES 3010, 3100, 3150, 3200, 3250, 3117, 3216, 4117, 4210, 4216, 5117, 5216)



STYLE MJ-KW

JIC Male Rigid
37° Flare

Part No.	Thread Size	Hose ID (Inches)	Dimensions					
			A		B		H1	
			in	mm	in	mm	in	mm
4MJ-4KW	7/16-20	1/4	1.81	46	1.02	26	.559	14.2
5MJ-4KW	1/2-20	1/4	1.81	46	1.02	26	.559	14.2
6MJ-4KW	9/16-18	1/4	1.85	47	1.06	27	.685	17.4
6MJ-6KW	9/16-18	3/8	2.13	54	1.06	27	.748	19.0
8MJ-6KW	3/4-16	3/8	2.24	57	1.18	30	.874	22.2
8MJ-8KW	3/4-16	1/2	2.40	61	1.18	30	.874	22.2
10MJ-8KW	7/8-14	1/2	2.48	63	1.26	32	.937	23.8
12MJ-8KW	1-1/16-12	1/2	2.71	69	1.50	38	1.12	28.5
10MJ-10KW	7/8-14	5/8	2.80	71	1.30	33	.937	23.8
12MJ-12KW	1-1/16-12	3/4	3.07	78	1.54	39	1.12	28.5
14MJ-12KW	1-3/16-12	3/4	3.11	79	1.57	40	1.25	31.7
16MJ-12KW	1-5/16-12	3/4	3.11	79	1.57	40	1.37	34.9
16MJ-16KW	1-5/16-12	1	3.35	85	1.57	40	1.37	34.9



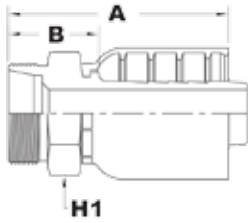
STYLE MMH-KW

Male Metric Rigid
Heavy Series 45° Seat

Part No.	Thread Size	Hose ID (Inches)	Tube OD (Inches)	Dimensions					
				A		B		H1	
				in	mm	in	mm	in	mm
16MMH-4KW	M16x1.5	1/4	8	1.65	42	.866	22	.669	17
18MMH-4KW	M18x1.5	1/4	10	1.65	42	.866	22	.748	19
20MMH-6KW	M20x1.5	3/8	12	1.97	50	.906	23	.866	22
22MMH-6KW	M22x1.5	3/8	14	2.17	55	.945	24	.866	22
24MMH-8KW	M24x1.5	1/2	16	2.20	56	.984	25	1.18	30

SERIES KW CRIMP FITTINGS

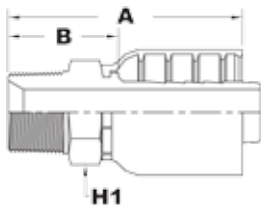
(FOR HOSE SERIES 3010, 3100, 3150, 3200, 3250, 3117, 3216, 4117, 4210, 4216, 5117, 5216)



STYLE MML-KW

Metric Male Rigid
Light Series 24° Seat

Part No.	Thread Size	Hose ID (Inches)	Tube OD (Inches)	Dimensions					
				A		B		H1	
				in	mm	in	mm	in	mm
14MML-4KW	M14x1.5	1/4	8	1.65	42	.866	22	.669	17
16MML-6KW	M16x1.5	3/8	10	1.97	50	.906	23	.669	17
18MML-6KW	M18x1.5	3/8	12	2.01	51	.944	24	.748	19
22MML-8KW	M22x1.5	1/2	15	2.20	56	.984	25	.866	22
30MML-12KW	M30x2.0	3/4	22	2.68	68	1.14	29	1.18	30



STYLE MP-KW

NPTF Male Rigid

Part No.	Thread Size	Hose ID (Inches)	Dimensions					
			A		B		H1	
			in	mm	in	mm	in	mm
2MP-4KW	1/8-27	1/4	1.74	44	.945	24	.559	14.2
4MP-4KW*	1/4-18	1/4	1.81	46	1.02	26	.559	14.2
6MP-4KW	3/8-18	1/4	1.92	49	1.14	29	.748	19.0
8MP-4KW	1/2-14	1/4	2.04	52	1.26	32	.874	22.2
4MP-6KW	1/4-18	3/8	2.13	54	1.06	27	.685	17.4
6MP-6KW*	3/8-18	3/8	2.20	56	1.14	29	.685	17.4
8MP-6KW	1/2-14	3/8	2.32	59	1.26	32	.874	22.2
6MP-8KW	3/8-18	1/2	2.13	54	1.06	27	.874	22.2
8MP-8KW*	1/2-14	1/2	2.48	63	1.30	33	.874	22.2
12MP-8KW	3/4-14	1/2	2.48	63	1.26	32	1.06	26.9
8MP-10KW	1/2-14	5/8	2.76	70	1.30	33	.937	23.8
12MP-10KW	3/4-14	5/8	2.76	70	1.26	32	1.06	26.9
8MP-12KW	1/2-14	3/4	2.80	71	1.26	32	1.06	26.9
12MP-12KW*	3/4-14	3/4	2.91	74	1.38	35	1.06	26.9
16MP-12KW	1-11.5	3/4	3.11	79	1.57	40	1.37	34.9
12MP-16KW	3/4-14	1	3.19	81	1.42	36	1.37	34.9
16MP-16KW*	1-11.5	1	3.43	87	1.61	41	1.37	34.9

*Available in 316 stainless steel.

Hydraulic Hose

A

Hydraulic Fittings

B

Support Products & Crimping Equipment

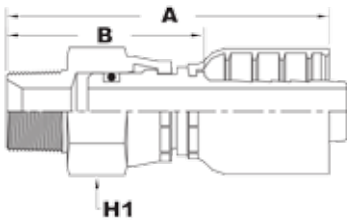
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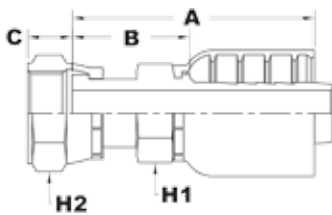
SERIES KW CRIMP FITTINGS

(FOR HOSE SERIES 3010, 3100, 3150, 3200, 3250, 3117, 3216, 4117, 4210, 4216, 5117, 5216)



STYLE MS-KW
NPTF Male Swivel

Part No.	Thread Size	Hose ID (Inches)	Dimensions					
			A		B		H1	
			in	mm	in	mm	in	mm
4MS-4KW	1/4-18	1/4	2.28	58	1.46	37	.685	17.4
6MS-6KW	3/8-18	3/8	2.80	71	1.73	44	.874	22.2
8MS-8KW	1/2-14	1/2	3.15	80	1.93	49	1.00	25.4
12MS-12KW	3/4-14	3/4	4.33	110	2.40	61	1.37	34.9
16MS-16KW	1-11.5	1	4.65	118	2.87	73	1.50	38.1

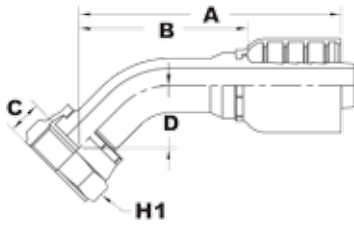


STYLE OFS-KW
O-Ring Face Seal
Female Swivel

Part No.	Thread Size	Hose ID (Inches)	Dimensions									
			A		B		C		H1		H2	
			in	mm	in	mm	in	mm	in	mm	in	mm
4OFS-4KW	9/16-18	1/4	1.89	48	1.10	28	.315	8	.559	14.2	.685	17.4
6OFS-4KW	11/16-16	1/4	1.97	50	1.18	30	.354	9	.685	17.4	.811	20.6
6OFS-6KW	11/16-16	3/8	2.20	56	1.14	29	.354	9	.685	17.4	.811	20.6
8OFS-6KW	13/16-16	3/8	2.32	59	1.26	32	.433	11	.685	17.4	.937	23.8
6OFS-8KW	11/16-16	1/2	2.36	60	1.14	29	.354	9	.811	20.6	.811	20.6
8OFS-8KW	13/16-16	1/2	2.48	63	1.26	32	.433	11	.811	20.6	.937	23.8
10OFS-8KW	1-14	1/2	2.76	70	1.54	39	.551	14	.811	20.6	1.12	28.5
12OFS-8KW	1-3/16-12	1/2	2.87	73	1.65	42	.591	15	.937	23.8	1.37	34.9
10OFS-10KW	1-14	5/8	2.76	70	1.54	39	.551	14	.811	20.6	1.12	28.5
12OFS-10KW	1-3/16-12	5/8	3.15	80	1.65	42	.591	15	1.00	25.4	1.37	34.9
10OFS-12KW	1-14	3/4	3.07	78	1.54	39	.551	14	1.06	26.9	1.12	28.5
12OFS-12KW	1-3/16-12	3/4	3.15	80	1.61	41	.591	15	1.12	28.5	1.37	34.9
16OFS-12KW	1-7/16-12	3/4	3.23	82	1.69	43	.630	16	1.25	31.7	1.62	41.2
16OFS-16KW	1-7/16-12	1	3.54	90	1.77	45	.630	16	1.37	34.9	1.62	41.2

SERIES KW CRIMP FITTINGS

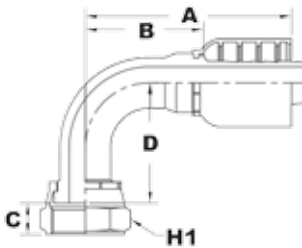
(FOR HOSE SERIES 3010, 3100, 3150, 3200, 3250, 3117, 3216, 4117, 4210, 4216, 5117, 5216)



STYLE OF45T-KW

O-Ring Face Seal
Female Swivel
45° Bent Tube

Part No.	Thread Size	Hose ID (Inches)	Dimensions									
			A		B		C		D		H1	
			in	mm	in	mm	in	mm	in	mm	in	mm
4OF45T-4KW	9/16-18	1/4	2.16	55	1.34	34	.315	8	.512	13	.685	17.4
6OF45T-4KW	11/16-16	1/4	2.20	56	1.38	35	.354	9	.551	14	.811	20.6
6OF45T-6KW	11/16-16	3/8	2.68	68	1.61	41	.354	9	.630	16	.811	20.6
8OF45T-6KW	13/16-16	3/8	3.03	77	1.97	50	.433	11	.827	21	.937	23.8
8OF45T-8KW	13/16-16	1/2	3.23	82	1.97	50	.433	11	.827	21	.937	23.8
10OF45T-8KW	1-14	1/2	3.27	83	2.00	51	.551	14	.827	21	1.12	28.5
10OF45T-10KW	1-14	5/8	3.66	93	2.13	54	.551	14	.827	21	1.12	28.5
12OF45T-10KW	1-3/16-12	5/8	3.62	92	2.09	53	.591	15	.787	20	1.37	34.9
12OF45T-12KW	1-3/16-12	3/4	4.53	115	2.95	75	.591	15	1.10	28	1.37	34.9
16OF45T-12KW	1-7/16-12	3/4	4.53	115	2.95	75	.630	16	1.18	30	1.62	41.2
16OF45T-16KW	1-7/16-12	1	4.76	121	2.99	76	.630	16	1.14	29	1.62	41.2



STYLE OF90T-KW

O-Ring Face Seal
Female Swivel
90° Bent Tube

Part No.	Thread Size	Hose ID (Inches)	Dimensions									
			A		B		C		D		H1	
			in	mm	in	mm	in	mm	in	mm	in	mm
4OF90T-4KW	9/16-18	1/4	2.00	51	1.18	30	.315	8	.945	24	.685	17.4
6OF90T-4KW	11/16-16	1/4	2.00	51	1.18	30	.354	9	1.02	26	.811	20.6
6OF90T-6KW	11/16-16	3/8	2.72	69	1.65	42	.354	9	1.02	26	.811	20.6
8OF90T-6KW	13/16-16	3/8	2.72	69	1.65	42	.433	11	1.10	28	.937	23.8
8OF90T-8KW	13/16-16	1/2	2.76	70	1.50	38	.433	11	1.18	30	.937	23.8
10OF90T-8KW	1-14	1/2	2.76	70	1.50	38	.551	14	1.22	31	1.12	28.5
10OF90T-10KW	1-14	5/8	2.80	71	1.65	42	.551	14	1.50	38	1.12	28.5
12OF90T-10KW	1-3/16-12	5/8	2.80	71	1.65	42	.591	15	1.46	37	1.37	34.9
12OF90T-12KW	1-3/16-12	3/4	3.98	101	2.40	61	.591	15	1.93	49	1.37	34.9
16OF90T-12KW	1-7/16-12	3/4	3.98	101	2.40	61	.630	16	1.93	49	1.62	41.2
16OF90T-16KW	1-7/16-12	1	4.96	126	3.19	81	.630	16	2.24	57	1.62	41.2

Hydraulic Hose

A

Hydraulic Fittings

B

Support Products & Crimping Equipment

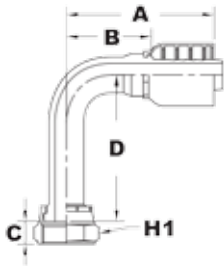
C

Technical Information & Guidelines

D

SERIES KW CRIMP FITTINGS

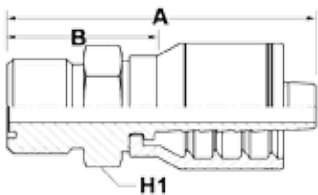
(FOR HOSE SERIES 3010, 3100, 3150, 3200, 3250, 3117, 3216, 4117, 4210, 4216, 5117, 5216)



STYLE OF90TL-KW

O-Ring Face Seal
Female Swivel
90° Bent Tube—Long Drop

Part No.	Thread Size	Hose ID (Inches)	Dimensions									
			A		B		C		D		H1	
			in	mm	in	mm	in	mm	in	mm	in	mm
4OF90T-4KW	9/16—18	1/4	2.01	51	1.18	30	.315	8	1.81	46	.685	17.4
6OF90T-4KW	11/16—16	1/4	2.01	51	1.18	30	.354	9	2.13	54	.811	20.6
6OF90T-6KW	11/16—16	3/8	2.72	69	1.65	42	.354	9	2.13	54	.811	20.6
8OF90T-6KW	13/16—16	3/8	2.72	69	1.65	42	.433	11	2.52	64	.937	23.8
8OF90T-8KW	13/16—16	1/2	2.76	70	1.65	42	.433	11	2.52	64	.937	23.8
10OF90T-8KW	1—14	1/2	2.76	70	1.65	42	.551	14	2.76	70	1.12	28.5
10OF90T-10KW	1—14	5/8	2.80	71	1.65	42	.551	14	2.76	70	1.12	28.5
12OF90T-12KW	1-3/16—12	3/4	3.98	101	2.40	61	.591	15	3.78	96	1.37	34.9
16OF90T-16KW	1-7/16—12	1	4.96	126	3.19	81	.629	16	4.49	114	1.62	41.2



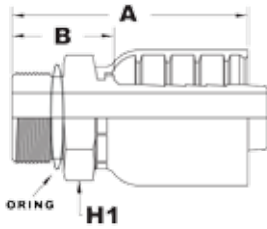
STYLE OM-KW

O-Ring Face Seal
Male Rigid

Part No.	Thread Size	Hose ID (Inches)	Dimensions					
			A		B		H1	
			in	mm	in	mm	in	mm
4OM-4KW	9/16—18	1/4	1.73	44	.945	24	.669	17
6OM-6KW	11/16—16	3/8	2.11	54	1.06	27	.748	19
8OM-8KW	13/16—16	1/2	2.34	60	1.18	30	.866	22
10OM-10KW	1—14	5/8	2.70	69	1.22	31	1.06	27
12OM-12KW	1-3/16—12	3/4	3.02	77	1.50	38	1.26	32
16OM-16KW	1-7/16—12	1	3.44	88	1.65	42	1.50	38

SERIES KW CRIMP FITTINGS

(FOR HOSE SERIES 3010, 3100, 3150, 3200, 3250, 3117, 3216, 4117, 4210, 4216, 5117, 5216)



STYLE OR-KW ORB Male Rigid

Part No.	Thread Size	Hose ID (Inches)	Dimensions					
			A		B		H1	
			in	mm	in	mm	in	mm
4OR-4KW	7/16-20	1/4	1.69	43	.866	22	.559	14.2
5OR-4KW	1/2-20	1/4	1.77	45	.925	23.5	.669	17.0
6OR-4KW	9/16-18	1/4	1.81	46	.984	25	.685	17.4
6OR-6KW	9/16-18	3/8	2.05	52	.984	25	.685	17.4
8OR-6KW	3/4-16	3/8	2.05	52	.984	25	.874	22.2
10OR-6KW	7/8-14	3/8	2.09	53	1.02	26	1.00	25.4
8OR-8KW	3/4-16	1/2	2.24	57	.984	25	1.06	26.9
10OR-8KW	7/8-14	1/2	2.28	58	1.02	26	1.00	25.4
12OR-8KW	1-1/16-12	1/2	2.44	62	1.18	30	1.25	31.7
10OR-10KW	7/8-14	5/8	2.56	65	1.02	26	1.00	25.4
12OR-10KW	1-1/16-12	5/8	2.72	69	1.18	30	1.25	31.7
12OR-12KW	1-1/16-12	3/4	2.76	70	1.18	30	1.25	31.7
16OR-16KW	1-5/16-12	1	3.07	78	1.30	33	1.50	38.1

Hydraulic Hose

A

Hydraulic Fittings

B

Support Products & Crimping Equipment

C

Technical Information & Guidelines

D