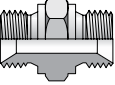
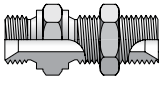
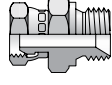
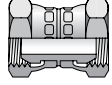
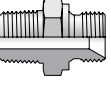
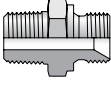
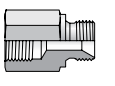

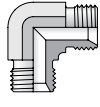
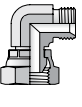
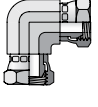
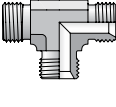
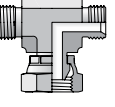
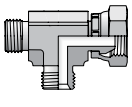
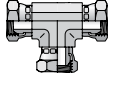


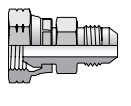
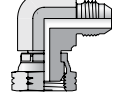
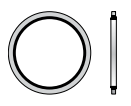


60° Cone BSP Adapters	Straights	HMK4 Union  16	WMK4WL4NM Bulkhead Union  16	F6MK4 60° Swivel / 60° Cone  16	H6MK4 Swivel Union  16
FMK4 NPTF / 60° Cone  17	F3MK4 BSPT / 60° Cone  17	G4MK4 BSPP / 60° Cone  17	K4HF80 Metric BSP / 60° Cone  17	Elbows	EMK4 Union Elbow  18
C6MK4 60° Swivel / 60° Cone  18	E6MK4 Swivel Union  19	Tees	JMK4 Union Tee  19	S6MK4 60° Swivel Branch Tee  19	R6MK4 60° Swivel Run Tee  19
J6MK4 Swivel Union Tee  110	Plug Caps	PNMK4 Hex Head Plug  18	FNMK4 Cap  18		

Conversion Adapters (Shown in Section K)

K4 BSP Conversion Adapters	XHMK46 37° Flare / BSPP Swivel  K5	XEMK46 37° Flare / BSPP Swivel  K6
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O-Rings and Seals (Shown in Section N)

K4 BSP O-Rings and Seals	D9DT BSPP Bonded Seal  N7
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Dimensions and pressures for reference only, subject to change.

K4 BSP Adapters

Parker K4 (BSP) adapters are typically used as hose adapters on equipment designed and/or manufactured throughout Europe, especially equipment with ties to the UK, Scandinavia, the Netherlands, Spain and Italy. BSP cone adapters are similar in function to NPSM (07 Adapters) but with BSPP threads.

The metal-to-metal sealing is achieved by a single line of contact between the conical surface of the 60° cone seat and the corresponding surface of the ballnose or cone swivel, as shown in Fig. I1.

K4 adapters are manufactured in accordance with BS5200 standards. The 60° internal seat is designed for sealing with BSP hose swivel connections offered by many manufacturers. K4 adapters mate with Parker hose fitting series shown in Table I1.

Further enhancing the flexibility of the K4 adapter product line is the ability for the male BSP cone end of the straight fittings to also be used as a port adapter in ISO 1179-1 / DIN 3852 ports. This is accomplished with the addition of a bonded seal (often referred to as a “Dowty®” seal). This product feature is illustrated in Fig. I2.

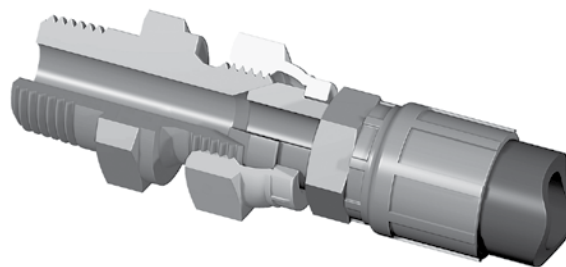


Fig. I1 – K4 Interface

Adapter Connection End	Mating Parker Hose Fitting Series
K4 / K46	D9/92, B1, B2, B4

Table I1 – Parker K4 Fittings Hose Adaptability

Design and Construction

Construction: Shaped K4 adapters are manufactured from a hot forged construction. Straight adapters are manufactured from cold drawn barstock.

Threads: The standard K4 products are manufactured with the thread forms listed below:

BSPP Threads: ISO 228-1 G

BSPT Threads: ISO 7/1, JIS B 0203

NPTF Threads: SAE J476, ANSI B1.20.3, FED-STD-H28/8

Reference Locations

Dynamic Pressure Ratings: Please refer to the last column of the part number tables located on the following pages of this section for appropriate dynamic pressure ratings.

Standard Material Specification: Please refer to Table U2 in the Appendix Section.

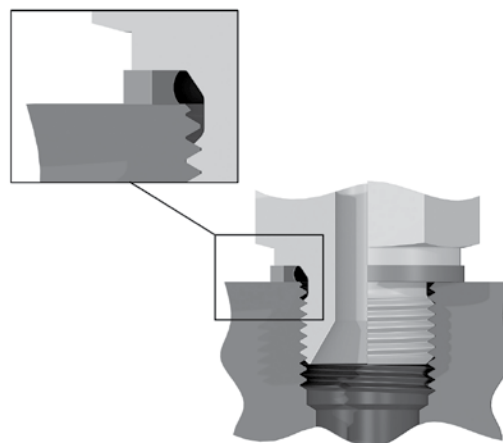
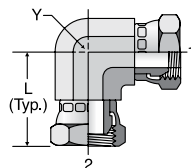


Fig. I2 – K4 End Used as a BSPP Port Adapter (in ISO 1179/ DIN 3852, Part 2 Port)

E6MK4

Swivel Nut Union Elbow
60° Swivel / 60° Swivel

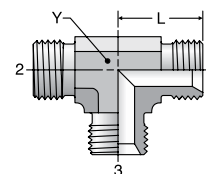
Mates with D9 style hose fitting



JMK4

Union Tee
60° Cone (all three ends)

Mates with 92, B1, B2 and B4 style hose fitting



TUBE FITTING PART #	END SIZE		L (mm)	Y (mm)	Dynamic Pressure (x 1,000 PSI) S
	1 BSPP	2 BSPP			
4E6MK4	1/4 - 19	1/4 - 19	30.5	14	5.1
6E6MK4	3/8 - 19	3/8 - 19	33.0	19	5.1
8E6MK4	1/2 - 14	1/2 - 14	38.8	22	2.9
10E6MK4	5/8 - 14	5/8 - 14	39.4	22	2.9
12E6MK4	3/4 - 14	3/4 - 14	42.3	27	2.9
16E6MK4	1 - 11	1 - 11	49.0	33	1.7
20E6MK4	1 1/4 - 11	1 1/4 - 11	58.2	41	1.5
24E6MK4	1 1/2 - 11	1 1/2 - 11	63.3	48	1.5

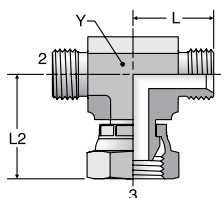
TUBE FITTING PART #	END SIZE			L (mm)	Y (mm)	Dynamic Pressure (x 1,000 PSI) S
	1 BSPP	2 BSPP	3 BSPP			
2JMK4	1/8 - 28	1/8 - 28	1/8 - 28	16.6	11	5.1
4JMK4	1/4 - 19	1/4 - 19	1/4 - 19	27.8	19	5.1
6JMK4	3/8 - 19	3/8 - 19	3/8 - 19	31.7	22	5.1
8JMK4	1/2 - 14	1/2 - 14	1/2 - 14	37.0	27	2.9
10JMK4	5/8 - 14	5/8 - 14	5/8 - 14	39.0	27	2.9
12JMK4	3/4 - 14	3/4 - 14	3/4 - 14	41.9	33	2.9
16JMK4	1 - 11	1 - 11	1 - 11	49.7	41	1.7
20JMK4	1 1/4 - 11	1 1/4 - 11	1 1/4 - 11	54.4	48	1.5
24JMK4	1 1/2 - 11	1 1/2 - 11	1 1/2 - 11	53.7	48	1.5

VISUAL
INDEX

S6MK4

Swivel Nut Branch Tee
60° Cone / 60° Cone / 60° Swivel

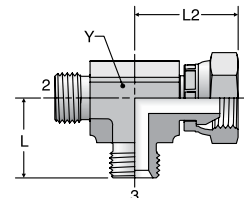
Mates with D9/92, B1, B2 and B4 style hose fitting



R6MK4

Swivel Nut Run Tee
60° Swivel / 60° Cone / 60° Cone

Mates with D9/92, B1, B2 and B4 style hose fitting



TUBE FITTING PART #	END SIZE			L (mm)	L2 (mm)	Y (mm)	Dynamic Pressure (x 1,000 PSI) S
	1 BSPP	2 BSPP	3 BSPP				
2S6MK4	1/8 - 28	1/8 - 28	1/8 - 28	16.6	22.0	11	5.1
4S6MK4	1/4 - 19	1/4 - 19	1/4 - 19	27.8	31.2	19	5.1
6S6MK4	3/8 - 19	3/8 - 19	3/8 - 19	31.7	36.2	27	5.1
8S6MK4	1/2 - 14	1/2 - 14	1/2 - 14	37.0	41.0	27	2.9
10S6MK4	5/8 - 14	5/8 - 14	5/8 - 14	39.0	41.6	27	2.9
12S6MK4	3/4 - 14	3/4 - 14	3/4 - 14	41.6	45.3	33	2.9
16S6MK4	1 - 11	1 - 11	1 - 11	49.7	53.9	41	1.8
20S6MK4	1 1/4 - 11	1 1/4 - 11	1 1/4 - 11	54.4	60.0	48	1.5

TUBE FITTING PART #	END SIZE			L (mm)	L2 (mm)	Y (mm)	Dynamic Pressure (x 1,000 PSI) S
	1 BSPP	2 BSPP	3 BSPP				
2R6MK4	1/8 - 28	1/8 - 28	1/8 - 28	16.6	22.0	11	5.1
4R6MK4	1/4 - 19	1/4 - 19	1/4 - 19	27.8	31.2	19	5.1
6R6MK4	3/8 - 19	3/8 - 19	3/8 - 19	31.7	36.2	27	5.1
8R6MK4	1/2 - 14	1/2 - 14	1/2 - 14	37.0	41.0	27	2.9
10R6MK4	5/8 - 14	5/8 - 14	5/8 - 14	39.0	41.6	27	2.9
12R6MK4	3/4 - 14	3/4 - 14	3/4 - 14	41.6	45.3	33	2.9
16R6MK4	1 - 11	1 - 11	1 - 11	49.7	53.9	41	1.8
20R6MK4	1 1/4 - 11	1 1/4 - 11	1 1/4 - 11	54.4	60.0	48	1.5

Dimensions and pressures for reference only, subject to change.