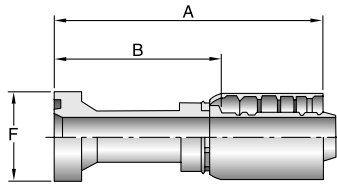



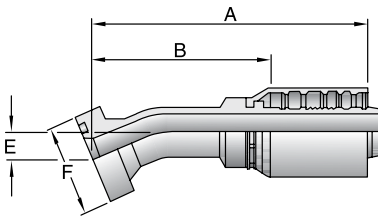





1XA77**Caterpillar® Flange Head**

#			A			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	inch	mm
1XA77-12-12	3/4	3/4	4.48	113,7	1-5/8	2.84	72,2
1XA77-12-16	3/4	1	4.96	126,0	1-5/8	3.01	76,5
1XA77-16-12	1	3/4	3.47	88,1	1-7/8	1.83	46,6
1XA77-16-16	1	1	5.54	140,7	1-7/8	3.59	91,2
1XA77-20-16	1-1/4	1	4.10	104,1	2-1/8	2.15	54,6
1XA77-20-20	1-1/4	1-1/4	5.98	151,9	2-1/8	3.71	94,2
1XA77-20-24	1-1/4	1-1/2	6.32	160,5	2-1/8	3.93	99,8
1XA77-24-20	1-1/2	1-1/4	4.65	118,1	2-1/2	2.38	60,4
1XA77-24-24	1-1/2	1-1/2	6.94	176,3	2-1/2	4.55	115,6
1XA77-32-32	2	2	7.56	191,9	3-1/8	4.80	121,9

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1XB77**Caterpillar® Flange Head - 22-1/2° Elbow**

#			A		E			B	
Part Number	Flange inch	Hose I.D. inch	inch	mm	inch	mm	inch	inch	mm
1XB77-12-12	3/4	3/4	5.09	129,2	0.55	14,0	1-5/8	3.45	87,7
1XB77-16-12	1	3/4	5.09	129,2	0.55	14,0	1-7/8	3.45	87,7
1XB77-16-16	1	1	5.66	143,8	0.55	14,0	1-7/8	3.71	94,2
1XB77-20-16	1-1/4	1	5.66	143,8	0.55	14,0	2-1/8	3.71	94,2
1XB77-20-20	1-1/4	1-1/4	6.97	177,1	0.67	17,0	2-1/8	4.70	119,4
1XB77-24-24	1-1/2	1-1/2	8.07	205,0	0.71	18,0	2-1/2	5.68	144,3
1XB77-32-32	2	2	9.12	231,7	0.87	22,0	3-1/8	6.37	161,7




WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



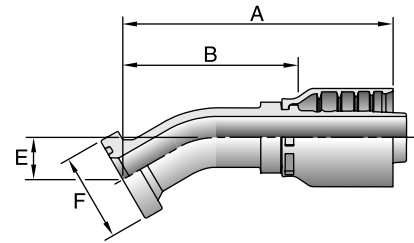
Refer to Pressure Rating of Hose End Connections Chart on page E-47.




See Accessories Section for O-Rings and Flange Kits.

1XE77**Caterpillar® Flange Head - 30° Elbow**

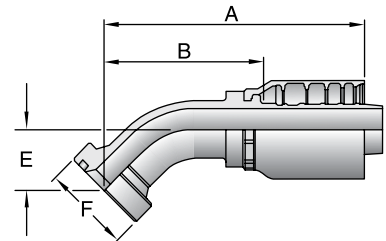
# Part Number	 Flange inch	 Hose I.D. inch	A		E		 F inch	B	
			inch	mm	inch	mm		inch	mm
1XE77-12-12	3/4	3/4	5.00	126,9	0.83	21,0	1-5/8	3.36	85,4
1XE77-16-12	1	3/4	5.02	127,4	0.75	19,0	1-7/8	3.38	86,0
1XE77-16-16	1	1	5.59	142,0	0.75	19,0	1-7/8	3.64	92,5
1XE77-20-16	1-1/4	1	5.55	141,0	0.87	22,0	2-1/8	3.60	91,5
1XE77-20-20	1-1/4	1-1/4	6.86	174,3	0.94	24,0	2-1/8	4.59	116,6
1XE77-24-24	1-1/2	1-1/2	7.95	201,9	1.18	30,0	2-1/2	5.56	141,2
1XE77-32-32	2	2	9.01	228,9	1.26	32,0	3-1/8	6.26	159,0

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

**1XF77****Caterpillar® Flange Head - 45° Elbow**

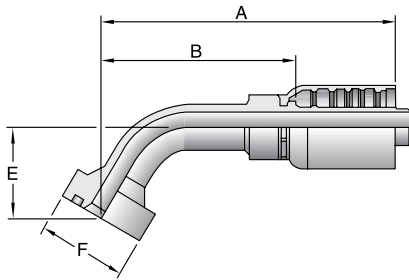
# Part Number	 Flange inch	 Hose I.D. inch	A		E		 F inch	B	
			inch	mm	inch	mm		inch	mm
1XF77-12-12	3/4	3/4	4.76	120,8	1.22	31,0	1-5/8	3.12	79,3
1XF77-16-12	1	3/4	4.76	120,8	1.22	31,0	1-7/8	3.12	79,3
1XF77-16-16	1	1	5.26	133,6	1.42	36,0	1-7/8	3.31	84,1
1XF77-20-16	1-1/4	1	5.26	133,6	1.42	36,0	2-1/8	3.31	84,1
1XF77-20-20	1-1/4	1-1/4	6.62	168,2	1.46	37,0	2-1/8	4.35	110,5
1XF77-24-20	1-1/2	1-1/4	6.62	168,2	1.46	37,0	2-1/2	4.35	110,5
1XF77-24-24	1-1/2	1-1/2	7.65	194,3	1.77	45,0	2-1/2	5.26	133,6
1XF77-32-32	2	2	8.58	218,0	2.20	56,0	3-1/8	5.83	148,1

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



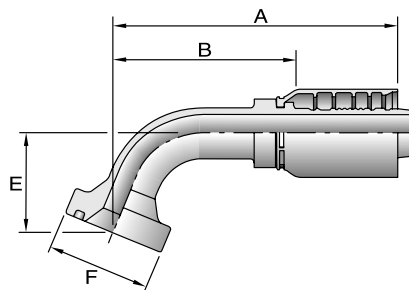
Refer to Pressure Rating of Hose End Connections Chart on page E-47.

See Accessories Section for O-Rings and Flange Kits.

1XG77**Caterpillar® Flange Head - 60° Elbow**

#			A		E		F	B	
Part Number	Flange	Hose I.D.	inch	mm	inch	mm	inch	inch	mm
1XG77-12-12	3/4	3/4	5.35	135,8	1.65	42,0	1-5/8	3.71	94,3
1XG77-16-12	1	3/4	5.35	135,8	1.65	42,0	1-7/8	3.71	94,3
1XG77-16-16	1	1	5.98	151,9	1.97	50,0	1-7/8	4.03	102,4
1XG77-20-16	1-1/4	1	6.12	155,4	1.73	44,0	2-1/8	4.17	105,9
1XG77-20-20	1-1/4	1-1/4	8.14	206,8	2.01	51,0	2-1/8	5.87	149,1
1XG77-24-24	1-1/2	1-1/2	8.04	204,2	2.56	65,0	2-1/2	5.65	143,5
1XG77-32-32	2	2	8.74	222,1	3.27	83,0	3-1/8	5.99	152,1

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

1XM77**Caterpillar® Flange - 67-1/2° Elbow**

#			A		E		F	B	
Part Number	Flange	Hose I.D.	inch	mm	inch	mm	inch	inch	mm
1XM77-12-12	3/4	3/4	5.17	131,2	1.77	45,0	1-5/8	3.53	89,8
1XM77-16-12	1	3/4	5.19	131,8	1.77	45,0	1-7/8	3.55	90,3
1XM77-16-16	1	1	5.84	148,3	2.05	52,0	1-7/8	3.89	98,8
1XM77-20-16	1-1/4	1	5.84	148,3	2.05	52,0	2-1/8	3.89	98,8
1XM77-32-32	2	2	8.72	221,4	3.82	97,0	3-1/8	5.97	151,5

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



Refer to Pressure Rating of Hose End Connections Chart on page E-47.

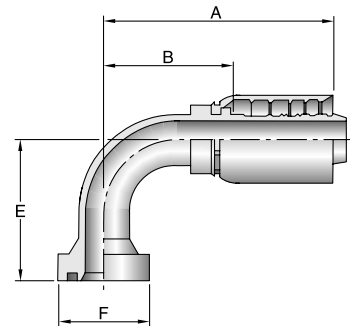
See Accessories Section for O-Rings and Flange Kits.

1XN77

Caterpillar® Flange Head - 90° Elbow

#	Flange	Hose I.D.	A		E		F	B	
Part Number	inch	inch	inch	mm	inch	mm	inch	inch	mm
1XN77-12-12	3/4	3/4	4.23	107,4	2.48	63,0	1-5/8	2.59	65,9
1XN77-12-16	3/4	1	4.41	112,0	2.76	70,0	1-5/8	2.46	62,5
1XN77-16-12	1	3/4	4.23	107,4	2.48	63,0	1-7/8	2.59	65,9
1XN77-16-16	1	1	4.73	120,1	2.91	74,0	1-7/8	2.78	70,6
1XN77-24-20	1-1/2	1-1/4	6.28	159,5	3.03	77,0	2-1/2	4.01	101,8
1XN77-24-24	1-1/2	1-1/2	7.24	183,9	4.16	105,6	2-1/2	4.85	123,2
1XN77-32-32	2	2	8.75	222,1	5.24	133,0	3-1/8	5.99	152,2

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

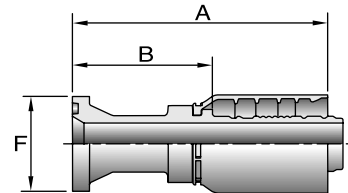


1K577

Komatsu® Flange Head

#	Flange	Hose I.D.	A		F	B	
Part Number	inch	inch	inch	mm	inch	inch	mm
1K577-16-16	1	1	4.70	119,4	1-3/4	2.75	69,9

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.

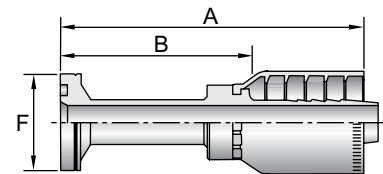


1KA77

Komatsu® High Pressure Flange Head

#	Flange	Hose I.D.	A		F	B	
Part Number	inch	inch	inch	mm	inch	inch	mm
1KA77-20-16	1-1/4	1	4.05	102,9	2-1/8	2.10	53,4
1KA77-20-20	1-1/4	1-1/4	5.73	145,6	2-1/8	3.46	87,9
1KA77-24-24	1-1/2	1-1/2	6.39	162,3	2-1/2	4.00	101,6
1KA77-32-32	2	2	7.17	182,0	2-9/16	4.41	112,0

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



Refer to Pressure Rating of Hose End Connections Chart on page E-47.

See Accessories Section for O-Rings and Flange Kits.