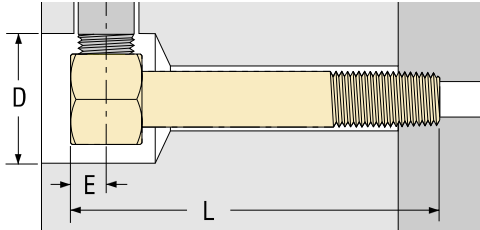
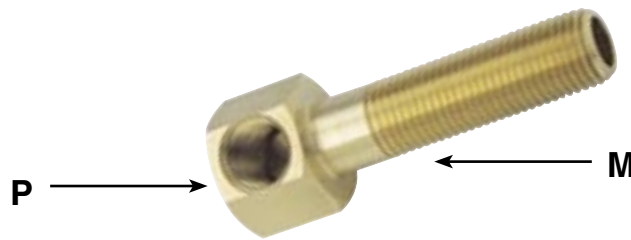


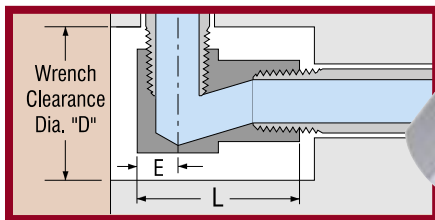
Brass Extension



- Positive socket wrench installation.
- One piece construction ensures positive alignment, and complete removal.
- Easy length adjustment (see Brass Extension Plugs).
- Custom elbows are available in exact lengths and a wide variety of thread combinations. (Including BSP)

ELBOW NUMBER	P TAP SIZE FEMALE (NPT)	M PIPE SIZE MALE (NPT)		D WRENCH CLEARANCE DIAMETER	E	OVERALL LENGTH "L"							
						2-1/2	4"	5-1/2	7"	8-1/2	10"	11-1/2	13"
18B	1/8	1/8	3/4	1-1/4	9/32	X025	X040	X055	X070	X085	X100	X115	X130
1814B	1/8	1/4	3/4	1-1/4	9/32	X025	X040	X055	X070	X085	X100	X115	X130
14B	1/4	1/4	7/8	1-3/8	11/32	X025	X040	X055	X070	X085	X100	X115	X130
1438B	1/4	3/8	7/8	1-3/8	11/32	X025	X040	X055	X070	X085	X100	X115	X130
38B	3/8	3/8	1"	1-1/2	1/2	X025	X040	X055	X070	X085	X100	X115	X130
50B	1/2	1/2	1-1/4	1-3/4	5/8	X025	X040	X055	X070	X085	X100	X115	X130

To order, add overall length to catalog number. Example: 18BX025



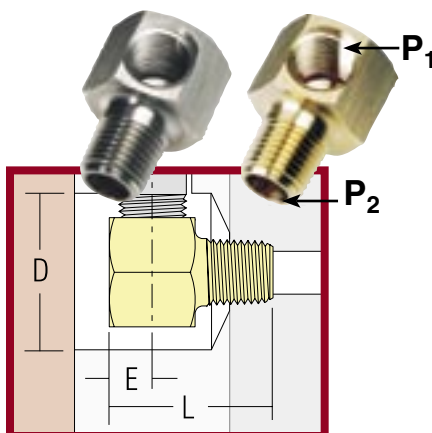
Hex Elbows

- Available in brass or zinc plated steel.
- Easy socket wrench installation and removal.
- Angular flow path allows connecting fittings to be torqued tight without choking off flow.
- Requires much smaller clearance diameter than standard pipe elbows.

ELBOW NUMBER	P ₁ TAP SIZE FEMALE (NPT)	P ₂ TAP SIZE FEMALE (NPT)	L	E	D WRENCH CLEARANCE DIAMETER	HEX SIZE	CATALOG NUMBER	
							STEEL	BRASS
16S	1/16	1/16	13/16	7/32	1"	9/16	16S-S	16S-B
18S	1/8	1/8	1"	9/32	1-1/4	3/4	18S-S	18S-B
1814S	1/8	1/4	1-1/4	9/32	1-1/4	3/4	1814S-S	1814S-B
14S	1/4	1/4	1-3/8	11/32	1-3/8	7/8	14S-S	14S-B
1438S	1/4	3/8	1-3/8	11/32	1-3/8	7/8	1438S-S	1438S-B
38S	3/8	3/8	1-5/8	1/2	1-1/2	1"	38S-S	38S-B
50S	1/2	1/2	1-7/8	9/16	1-7/8	1-1/4	50S-S	50S-B
75S	3/4	3/4	2-1/4	5/8	2-1/4	1-1/2	75S-S	75S-B

Male Hex Elbows

- Available in brass or plated steel.
- Easy socket wrench installation and removal.
- Full flow path allows connecting fittings to be torqued tight without choking off flow.
- Requires minimum clearance diameter.



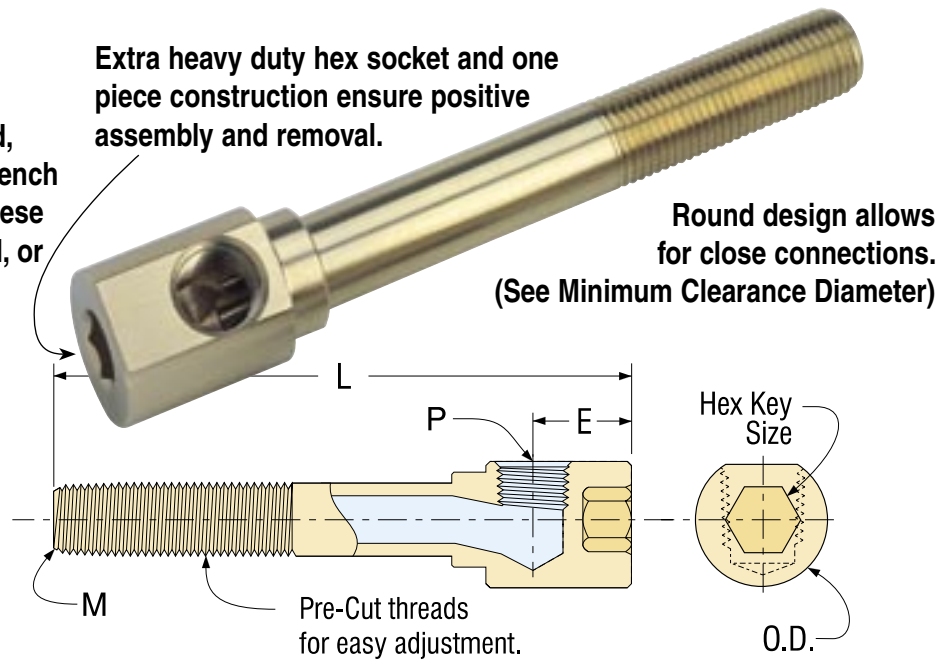
ELBOW NUMBER	P ₁ TAP SIZE FEMALE (NPT)	P ₂ TAP SIZE MALE (NPT)	L	E	D WRENCH CLEARANCE DIAMETER	HEX SIZE	CATALOG NUMBER	
							STEEL	BRASS
16MS	1/16	1/16	13/16	7/32	1"	9/16	16MS-S	16MS-B
18MS	1/8	1/8	1"	9/32	1-1/4	3/4	18MS-S	18MS-B
1814MS	1/8	1/4	1-1/4	9/32	1-1/4	3/4	1814MS-S	1814MS-B
14MS	1/4	1/4	1-3/8	11/32	1-3/8	7/8	14MS-S	14MS-B
1438MS	1/4	3/8	1-3/8	11/32	1-3/8	7/8	1438MS-S	1438MS-B
38MS	3/8	3/8	1-5/8	1/2	1-1/2	1"	38MS-S	38MS-B
50MS	1/2	1/2	1-7/8	9/16	1-7/8	1-1/4	50MS-S	50MS-B
75MS	3/4	3/4	2-1/4	5/8	2-1/4	1-1/2	75MS-S	75MS-B

HexKey Extension Elbows are round, and install with an Allen wrench. Wrench clearance is not required, making these elbows ideal for use inside the mold, or anywhere space is limited.

- Angular flow path allows connecting pipe fittings to be torqued tight without choking off flow.
- Accurate length adjustments are easy with the Brass Extension Plug thread system.

Extra heavy duty hex socket and one piece construction ensure positive assembly and removal.

Round design allows for close connections. (See Minimum Clearance Diameter)

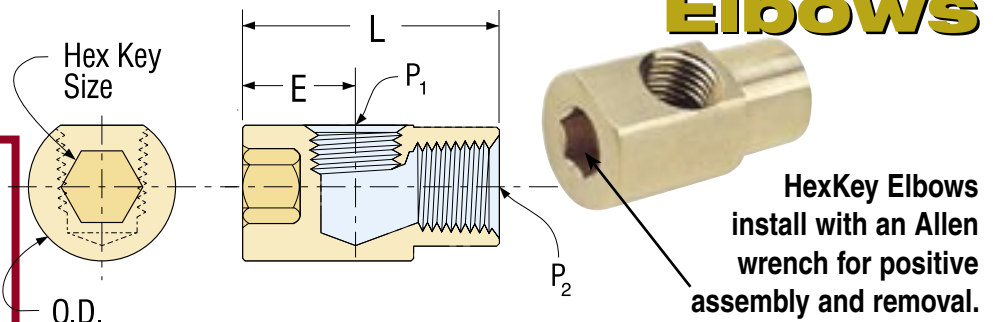
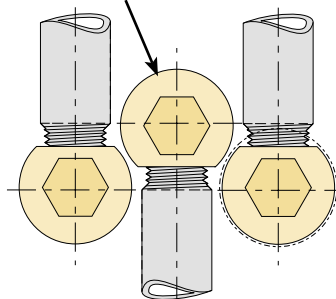


CATALOG NUMBER	P TAP SIZE FEMALE (NPT)	M PIPE SIZE MALE (NPT)	E	O.D.	MINIMUM CLEARANCE DIAMETER	HEX KEY SIZE	OVERALL LENGTH "L"							
							2-1/2	4"	5-1/2	7"	8-1/2	10"	11-1/2	13"
EKL16	1/16	1/16	.531	.552	9/16	1/4	X025	X040	X055	X070	X085	X100	X115	X130
EKL18	1/8	1/8	.580	.615	5/8	5/16	X025	X040	X055	X070	X085	X100	X115	X130
EKL14	1/4	1/4	.660	.860	7/8	3/8	X025	X040	X055	X070	X085	X100	X115	X130
EKL38	3/8	3/8	.780	.985	1"	1/2	X025	X040	X055	X070	X085	X100	X115	X130
EKL50	1/2	1/2	.940	1.235	1-1/4	1/2	X025	X040	X055	X070	X085	X100	X115	X130

To order, add overall length to catalog number. Example: EKL16X025

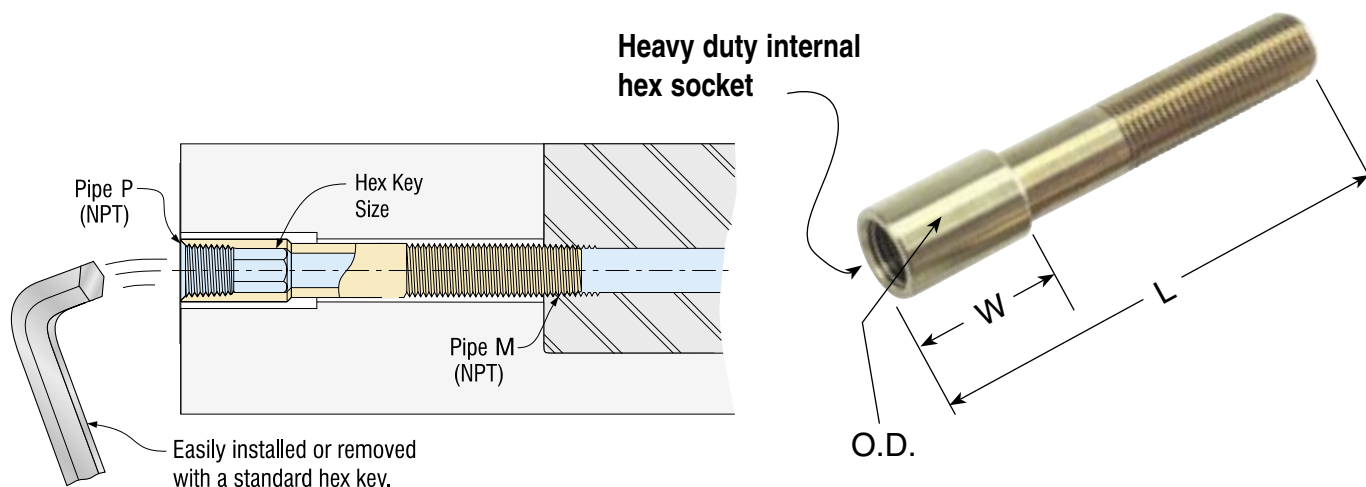
- Angular coolant path prevents fitting interference at assembly and guarantees full flow. (See Drawing)

Compact, round design allows for close connections. (See Minimum Clearance Diameter)



HexKey Elbows install with an Allen wrench for positive assembly and removal.

CATALOG NUMBER	P ₁ TAP SIZE FEMALE (NPT)	P ₂ TAP SIZE FEMALE (NPT)	L	E	O.D.	MINIMUM CLEARANCE DIAMETER	HEX KEY SIZE
HKL16	1/16	1/16	1.125	.531	.552	9/16	1/4
HKL18	1/8	1/8	1.250	.580	.615	5/8	5/16
HKL1814	1/8	1/4	1.375	.593	.860	7/8	3/8
HKL14	1/4	1/4	1.500	.660	.860	7/8	3/8
HKL1438	1/4	3/8	1.625	.712	.985	1"	1/2
HKL38	3/8	3/8	1.750	.780	.985	1"	1/2
HKL50	1/2	1/2	2.125	.940	1.235	1-1/4	1/2

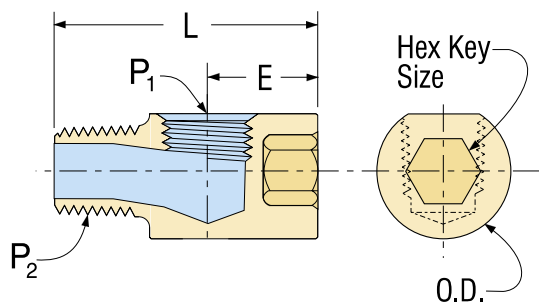


- HexKey Extension Pipes are available in a wide variety of special lengths and threads.
- Accurate length adjustments are easy with the Brass Extension Plug thread system.

CATALOG NUMBER	P TAP SIZE FEMALE (NPT)	M PIPE SIZE MALE (NPT)	W	O.D.	HEX KEY SIZE	OVERALL LENGTH "L"				
						2-1/2	4"	5-1/2	7"	8-1/2
EP18	1/8	1/8	3/4	1/2	1/4	X025	X040	X055	X070	X085
EP14	1/4	1/4	1"	11/16	3/8	X025	X040	X055	X070	X085
EP38	3/8	3/8	1-1/4	13/16	1/2	X025	X040	X055	X070	X085
EP50	1/2	1/2	1-1/2	1"	9/16	X025	X040	X055	X070	X085

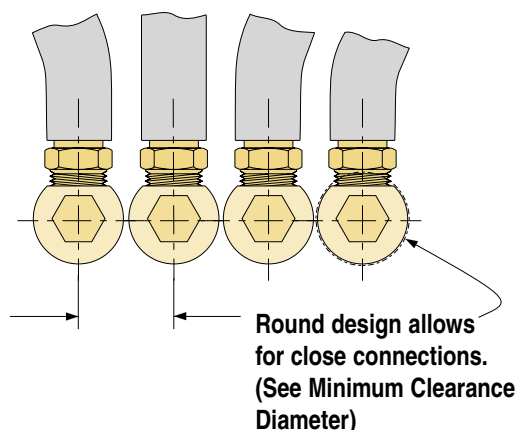
To order, add overall length to catalog number. Example EP18X025

HexKey Street Elbows



Extra heavy duty hex socket allows maximum assembly torque and positive removal.

CATALOG NUMBER	P ₁ TAP SIZE FEMALE (NPT)	P ₂ PIPE SIZE MALE (NPT)	L	E	O.D.	MINIMUM CLEARANCE DIAMETER	HEX KEY SIZE
KL16	1/16	1/16	1.156	.531	.552	9/16	1/4
KL1618	1/16	1/8	1.218	.531	.615	5/8	5/16
KL18	1/8	1/8	1.312	.580	.615	5/8	5/16
KL1814	1/8	1/4	1.500	.593	.860	7/8	3/8
KL14	1/4	1/4	1.625	.660	.860	7/8	3/8
KL1438	1/4	3/8	1.625	.712	.985	1"	1/2
KL38	3/8	3/8	1.750	.780	.985	1"	1/2
KL50	1/2	1/2	2.250	.940	1.235	1-1/4	1/2



- HexKey Street Elbows install with an Allen wrench for positive assembly and removal.
- Angular coolant path allows connecting fittings to be torqued tight without choking off flow.