



K-LINE VALVE GUIDE LINERS AND GUIDE-LINER TOOLING

Size	Kit Number	Part Number	Description	Included in Kit (*)
5/16	KL1600NX	KL1600NX	Master 5/16 Guide-Liner Kit	
5/16	KL1600NX	KL1719CB-9	Boring Reamer 5/16	*
5/16	KL1600NX	KL9932	Reamer Bushing 5/16	*
5/16	KL1600NX	KL2500 (Disc.)	Go-No-Go Gage 5/16	*
5/16	KL1600NX	KL1036	Guide Brush	*
5/16	KL1600NX	KL9961	Auto Installer 5/16	*
5/16		KL5842	Ball Broach - .310	
5/16		KL5843	Ball Broach - .311	
5/16	KL1600NX	KL5844	Ball Broach - .312	*
5/16	KL1600NX	KL5845	Ball Broach - .313	*
5/16	KL1600NX	KL5846	Ball Broach - .314	*
5/16	KL1600NX	KL4235	Guide Top Cutter 5/16 - 11MM	*
5/16	KL1600NX	KL4238	Cutter Pilot - 5/16 - 8MM	*
5/16	KL1600NX	KL2427	Flex Hone 5/16 - 8MM	*
5/16	KL1600NX	KL5680	Removal Tool - 5/16	*
11/32	KL1601NX	KL1601NX	Master 11/32 Guide-Liner Kit	
11/32	KL1601NX	KL1725CB-9	Boring Reamer 11/32	*
11/32	KL1601NX	KL9934	Reamer Bushing 11/32	*
11/32	KL1601NX	KL2501 (Disc.)	Go-No-Go Gage 11/32	*
11/32	KL1601NX	KL1036	Guide Brush	*
11/32	KL1601NX	KL9962	Auto Installer 11/32	*
11/32		KL5853	Ball Broach - .339	
11/32		KL5854	Ball Broach - .340	
11/32		KL5855	Ball Broach - .341	
11/32		KL5856	Ball Broach - .342	
11/32	KL1601NX	KL5857	Ball Broach - .3435	*
11/32		KL5889	Ball Broach - .345	
11/32	KL1601NX	KL5858	Ball Broach - .3445	*
11/32		KL5860	Ball Broach - .3465	
11/32	KL1601NX	KL5859	Ball Broach - .3455	*
11/32	KL1601NX	KL4235	Guide Top Cutter 5/16 - 11MM	*
11/32	KL1601NX	KL4239	Cutter Pilot - 11/32	*
11/32	KL1601NX	KL2428	Flex Hone 11/32 - 9MM	*

Size	Kit Number	Part Number	Description	Included in Kit (*)
11/32	KL1601NX	KL5681	Removal Tool - 11/32	*
3/8	KL1602NX	KL1602NX	Master 3/8 Guide-Liner Kit	
3/8	KL1602NX	KL1735CB-9	Boring Reamer 3/8	*
3/8	KL1602NX	KL9936	Reamer Bushing 3/8	*
3/8	KL1602NX	KL2502 (Disc.)	Go-No-Go Gage 3/8	*
3/8	KL1602NX	KL1036	Guide Brush	*
3/8	KL1602NX	KL9963	Auto Installer 3/8	*
		KL5867 (Disc.)	Ball Broach - .369	
		KL5868 (Disc.)	Ball Broach - .370	
		KL5870	Ball Broach - .371	
		KL5871	Ball Broach - .372	
		KL5869	Ball Broach - .373	
3/8	KL1602NX	KL5872	Ball Broach - .374	*
		KL5892	Ball Broach - .3745	
3/8	KL1602NX	KL5873	Ball Broach - .375	*
		KL5893	Ball Broach - .3755	
3/8	KL1602NX	KL5874	Ball Broach - .376	*
		KL5890	Ball Broach - .377	
		KL5891	Ball Broach - .378	
3/8	KL1602NX	KL4235	Guide Top Cutter 5/16 - 11MM	*
3/8	KL1602NX	KL4240	Cutter Pilot - 3/8	*
3/8	KL1602NX	KL2429	Flex Hone 3/8 - 10MM	*
3/8	KL1602NX	KL5682	Removal Tool - 3/8	*
6.6MM	KL1606NX	KL1606NX	Master 6.6MM Guide-Liner Kit	
6.6MM	KL1606NX	KL3571CB-9	Boring Reamer 6.6MM	*
6.6MM	KL1606NX	KL9930	Reamer Bushing 6.6MM	*
6.6MM	KL1606NX	KL2504 (Disc.)	Go-No-Go Gage 6.6MM	*
6.6MM	KL1606NX	KL1036	Guide Brush	*
6.6MM	KL1606NX	KL9972	Auto Installer 6.6MM	*
6.6MM	KL1606NX	KL5825	Ball Broach - .260	*
6.6MM	KL1606NX	KL5826	Ball Broach - .261	*
6.6MM	KL1606NX	KL5827	Ball Broach - .262	*
6.6MM		KL5828	Ball Broach - .263	
6.6MM	KL1606NX	KL4233	Guide Top Cutter 5.5MM - 7MM	*
6.6MM	KL1606NX	KL4242	Cutter Pilot - 6.6MM	*
6.6MM	KL1606NX	KL2425	Flex Hone 6MM - 6.6MM	*
6.6MM	KL1606NX	KL5684	Removal Tool - 6.6MM	*
7MM	KL1607NX	KL1607NX	Master 7MM Guide-Liner Kit	
7MM	KL1607NX	KL3576CB-9	Boring Reamer 7MM	*
7MM	KL1607NX	KL9931	Reamer Bushing 7MM	*
7MM	KL1607NX	KL2505 (Disc.)	Go-No-Go Gage 7MM	*
7MM	KL1607NX	KL1036	Guide Brush	*
7MM	KL1607NX	KL9973	Auto Installer 7MM	*
7MM		KL5833	Ball Broach - .274	
7MM		KL5834	Ball Broach - .275	
7MM	KL1607NX	KL5835	Ball Broach - .276	*

Size	Kit Number	Part Number	Description	Included in Kit (*)
7MM	KL1607NX	KL5836	Ball Broach - .277	*
7MM	KL1607NX	KL5837	Ball Broach - .278	*
7MM	KL1607NX	KL5838	Ball Broach - .279	*
7MM		KL5839	Ball Broach - .280	
7MM		KL5840	Ball Broach - .281	
7MM		KL5841	Ball Broach - .282	
7MM		KL5831	Ball Broach - .283	
7MM	KL1607NX	KL4233	Guide Top Cutter 5.5MM - 7MM	*
7MM	KL1607NX	KL4243	Cutter Pilot - 7MM	*
7MM	KL1607NX	KL2426	Flex Hone 7MM	*
7MM	KL1607NX	KL5685	Removal Tool - 7MM	*
8MM	KL1608NX	KL1608NX	Master 8MM Guide-Liner Kit	
8MM	KL1608NX	KL3581CB-9	Boring Reamer 8MM	*
8MM	KL1608NX	KL9933	Reamer Bushing 8MM	*
8MM	KL1608NX	KL2506 (Disc.)	Go-No-Go Gage 8MM	*
8MM	KL1608NX	KL1036	Guide Brush	*
8MM	KL1608NX	KL9968	Auto Installer 8MM	*
8MM	KL1608NX	KL5847	Ball Broach - .315	*
8MM	KL1608NX	KL5848	Ball Broach - .316	*
8MM	KL1608NX	KL5849	Ball Broach - .317	*
8MM		KL5850	Ball Broach - .318	
8MM		KL5851	Ball Broach - .319	
8MM		KL5852	Ball Broach - .320	
8MM	KL1608NX	KL4235	Guide Top Cutter 5/16 - 11MM	*
8MM	KL1608NX	KL4238	Cutter Pilot - 5/16 - 8MM	*
8MM	KL1608NX	KL2427	Flex Hone 5/16 - 8MM	*
8MM	KL1608NX	KL5686	Removal Tool - 8MM	*
9MM	KL1609NX	KL1609NX	Master 9MM Guide-Liner Kit	
9MM	KL1609NX	KL3586CB-9	Boring Reamer 9MM	*
9MM	KL1609NX	KL9935	Reamer Bushing 9MM	*
9MM	KL1609NX	KL2507 (Disc.)	Go-No-Go Gage 9MM	*
9MM	KL1609NX	KL1036	Guide Brush	*
9MM	KL1609NX	KL9969	Auto Installer 9MM	*
9MM	KL1609NX	KL5864	Ball Broach - .354	*
9MM	KL1609NX	KL5865	Ball Broach - .355	*
9MM	KL1609NX	KL5866	Ball Broach - .356	*
9MM		KL5862	Ball Broach - .357	
9MM		KL5863 (Disc.)	Ball Broach - .358	
9MM	KL1609NX	KL4235	Guide Top Cutter 5/16 - 11MM	*
9MM	KL1609NX	KL4244	Cutter Pilot - 9MM	*
9MM	KL1609NX	KL2428	Flex Hone 11/32 - 9MM	*
9MM	KL1609NX	KL5687	Removal Tool - 9MM	*
10MM	KL1610NX	KL1610NX	Master 10MM Guide-Liner Kit	
10MM	KL1610NX	KL3591CB-9	Boring Reamer 10MM	*
10MM	KL1610NX	KL9939	Reamer Bushing 10MM	*

Size	Kit Number	Part Number	Description	Included in Kit (*)
10MM	KL1610NX	KL2508 (Disc.)	Go-No-Go Gage 10MM	*
10MM	KL1610NX	KL1036	Guide Brush	*
10MM	KL1610NX	KL9970	Auto Installer 10MM	*
10MM	KL1610NX	KL5876	Ball Broach - .394	*
10MM	KL1610NX	KL5877	Ball Broach - .395	*
10MM	KL1610NX	KL5878	Ball Broach - .396	*
10MM	KL1610NX	KL4235	Guide Top Cutter 5/16 - 11MM	*
10MM	KL1610NX	KL4248	Cutter Pilot - 10MM	*
10MM	KL1610NX	KL2429	Flex Hone 3/8 - 10MM	*
10MM	KL1610NX	KL5688	Removal Tool - 10MM	*
11MM				
11MM	KL1611NX	KL1611NX	Master 11MM Guide-Liner Kit	
11MM	KL1611NX	KL1749CB-9	Boring Reamer 11MM	*
11MM	KL1611NX	KL9937	Reamer Bushing 11MM	*
11MM	KL1611NX	KL2503 (Disc.)	Go-No-Go Gage 11MM	*
11MM	KL1611NX	KL1036	Guide Brush	*
11MM	KL1611NX	KL9964	Auto Installer 11MM	*
11MM	KL1611NX	KL5880	Ball Broach - .433	*
11MM	KL1611NX	KL5881	Ball Broach - .434	*
11MM	KL1611NX	KL5882	Ball Broach - .435	*
11MM	KL1611NX	KL4235	Guide Top Cutter 5/16 - 11MM	*
11MM	KL1611NX	KL4241	Cutter Pilot - 11MM	*
11MM	KL1611NX	KL2430	Flex Hone 11MM - 7/16	*
11MM	KL1611NX	KL5689	Removal Tool - 11MM	*
6MM				
6MM	KL1612NX	KL1612NX	Master 6MM Guide-Liner Kit	
6MM	KL1612NX	KL3566CB-9	Boring Reamer 6MM	*
6MM	KL1612NX	KL9929	Reamer Bushing 6MM	*
6MM	KL1612NX	KL2499 (Disc.)	Go-No-Go Gage 6MM	*
6MM	KL1612NX	KL1036	Guide Brush	*
6MM	KL1612NX	KL9971	Auto Installer 6MM	*
6MM	KL1612NX	KL5815	Ball Broach - .237	*
6MM	KL1612NX	KL5816	Ball Broach - .2375	*
6MM	KL1612NX	KL5817	Ball Broach - .238	*
6MM	KL1612NX	KL5818	Ball Broach - .2385	*
6MM	KL1612NX	KL4233	Guide Top Cutter 5.5MM - 7MM	*
6MM	KL1612NX	KL4245	Cutter Pilot - 6MM	*
6MM	KL1612NX	KL2425	Flex Hone 6MM - 6.6MM	*
6MM	KL1612NX	KL5679	Removal Tool - 6MM	*
5MM				
5MM	KL1613NX	KL1613NX	Master 5MM Guide-Liner Kit	
5MM	KL1613NX	KL3556CC	Boring Reamer 5MM	*
5MM	KL1613NX	KL9921	Reamer Bushing 5MM	*
5MM	KL1613NX	KL2514 (Disc.)	Go-No-Go Gage 5MM	*
5MM	KL1613NX	KL1036	Guide Brush	*
5MM	KL1613NX	KL9957	Auto Installer 5MM	*
5MM	KL1613NX	KL5902	Ball Broach - .1978	*
5MM	KL1613NX	KL5903	Ball Broach - .1983	*
5MM	KL1613NX	KL5904	Ball Broach - .1988	*

Size	Kit Number	Part Number	Description	Included in Kit (*)
5MM	KL1613NX	KL4230	Guide Top Cutter 5MM	*
5MM	KL1613NX	KL4247	Cutter Pilot - 5MM	*
5MM	KL1613NX	KL2424	Flex Hone 5MM - 5.5MM	*
5MM	KL1613NX	KL5677	Removal Tool - 5MM	*
5.5MM				
5.5MM	KL1614NX	KL1614NX	Master 5.5MM Guide-Liner Kit	
5.5MM	KL1614NX	KL3561CC	Solid Carbide Boring Reamer	*
5.5MM	KL1614NX	KL9922	Reamer Bushing 5.5MM	*
5.5MM	KL1614NX	KL2498 (Disc.)	Go-No-Go Gage 5.5MM	*
5.5MM	KL1614NX	KL1036	Guide Brush	*
5.5MM	KL1614NX	KL9958	Auto Installer 5.5MM	*
5.5MM	KL1614NX	KL5808	Ball Broach - .217	*
5.5MM	KL1614NX	KL5809	Ball Broach - .2175	*
5.5MM	KL1614NX	KL5810	Ball Broach - .218	*
5.5MM	KL1614NX	KL5811	Ball Broach - .2185	*
5.5MM	KL1614NX	KL4233	Guide Top Cutter 5.5MM - 7MM	*
5.5MM	KL1614NX	KL4246	Cutter Pilot - 5.5MM	*
5.5MM	KL1614NX	KL2424	Flex Hone 5MM - 5.5MM	*
5.5MM	KL1614NX	KL5678	Removal Tool - 5.5MM	*
KL9907				
	KL9907	KL9907	Valve Seat Bushing Kit - 7 Pc.	*
	KL9907	KL9911	1" Valve Seat Bushing	*
	KL9907	KL9912	1-3/16" Valve Seat Bushing	*
	KL9907	KL9913	1-3/8" Valve Seat Bushing	*
	KL9907	KL9915	1-5/8" Valve Seat Bushing	*
	KL9907	KL9916	1-3/4" Valve Seat Bushing	*
	KL9907	KL9918	2" Valve Seat Bushing	*
	KL9907	KL9919	2-1/4" Valve Seat Bushing	*
KL9910				
	KL9910	KL9910	Valve Seat Bushing Kit - 9 Pc.	
	KL9910	KL9911	1" Valve Seat Bushing	*
	KL9910	KL9912	1-3/16" Valve Seat Bushing	*
	KL9910	KL9913	1-3/8" Valve Seat Bushing	*
	KL9910	KL9914	1-1/2" Valve Seat Bushing	*
	KL9910	KL9915	1-5/8" Valve Seat Bushing	*
	KL9910	KL9916	1-3/4" Valve Seat Bushing	*
	KL9910	KL9917	1-7/8" Valve Seat Bushing	*
	KL9910	KL9918	2" Valve Seat Bushing	*
	KL9910	KL9919	2-1/4" Valve Seat Bushing	*
		KL5758	Holder/Driver for Ball Broches 5.5mm – 8mm	
		KL5759	Holder/Driver for Ball Broaches 11/32" - 7/16"	
		KL5759B	Replacement Bumper for Holder/Drive	
5/16				
5/16	KL1600RX	KL1600RX	Standard 5/16 Guide-Liner Kit	
5/16	KL1600RX	KL1719C-9	Boring Reamer 5/16	*
5/16	KL1600RX	KL9932	Reamer Bushing 5/16	*
5/16	KL1600RX	KL1036	Guide Brush	*
5/16	KL1600RX	KL9961	Auto Installer 5/16	*
5/16	KL1600RX	KL5844	Ball Broach - .312	*

Size	Kit Number	Part Number	Description	Included in Kit (*)
5/16	KL1600RX	KL5845	Ball Broach - .313	*
5/16	KL1600RX	KL5846	Ball Broach - .314	*
5/16	KL1600RX	KL1787	Trim Tool	*
11/32	KL1601RX	KL1601RX	Standard 11/32 Guide-Liner Kit	
11/32	KL1601RX	KL1725C-9	Boring Reamer 11/32	*
11/32	KL1601RX	KL9934	Reamer Bushing 11/32	*
11/32	KL1601RX	KL1036	Guide Brush	*
11/32	KL1601RX	KL9962	Auto Installer 11/32	*
11/32	KL1601RX	KL5857	Ball Broach - .3435	*
11/32	KL1601RX	KL5858	Ball Broach - .3445	*
11/32	KL1601RX	KL5859	Ball Broach - .3455	*
11/32	KL1601RX	KL1787	Trim Tool	*
3/8	KL1602RX	KL1602RX	Standard 3/8 Guide-Liner Kit	
3/8	KL1602RX	KL1735C-9	Boring Reamer 3/8	*
3/8	KL1602RX	KL9936	Reamer Bushing 3/8	*
3/8	KL1602RX	KL1036	Guide Brush	*
3/8	KL1602RX	KL9963	Auto Installer 3/8	*
3/8	KL1602RX	KL5872	Ball Broach - .374	*
3/8	KL1602RX	KL5873	Ball Broach - .375	*
3/8	KL1602RX	KL5874	Ball Broach - .376	*
3/8	KL1602RX	KL1807	Trim Tool	*
5.5MM	KL1614RX	KL1614RX	Standard 5.5MM Guide-Liner Kit	
5.5MM	KL1614RX	KL3561CC	Boring Reamer 5.5MM	*
5.5MM	KL1614RX	KL9922	Reamer Bushing 5.5MM	*
5.5MM	KL1614RX	KL1036	Guide Brush	*
5.5MM	KL1614RX	KL9958	Auto Installer 5.5MM	*
5.5MM	KL1614RX	KL5808	Ball Broach - .2170	*
5.5MM	KL1614RX	KL5809	Ball Broach - .2175	*
5.5MM	KL1614RX	KL5810	Ball Broach - .2180	*
5.5MM	KL1614RX	KL5811	Ball Broach - .2185	*
5.5MM	KL1614RX	KL3184	Trim Tool	*
6MM	KL1612RX	KL1612RX	Standard 6MM Guide-Liner Kit	
6MM	KL1612RX	KL3566C-9	Boring Reamer 6MM	*
6MM	KL1612RX	KL9929	Reamer Bushing 6MM	*
6MM	KL1612RX	KL1036	Guide Brush	*
6MM	KL1612RX	KL9971	Auto Installer 6MM	*
6MM	KL1612RX	KL5815	Ball Broach - .2370	*
6MM	KL1612RX	KL5816	Ball Broach - .2375	*
6MM	KL1612RX	KL5817	Ball Broach - .2380	*
6MM	KL1612RX	KL5818	Ball Broach - .2385	*
6MM	KL1612RX	KL3185	Trim Tool	*
6.6MM	KL1606RX	KL1606RX	Standard 6.6MM Guide-Liner Kit	
6.6MM	KL1606RX	KL3571C-9	Boring Reamer 6.6MM	*
6.6MM	KL1606RX	KL9930	Reamer Bushing 6.6MM	*
6.6MM	KL1606RX	KL1036	Guide Brush	*

Size	Kit Number	Part Number	Description	Included in Kit (*)
6.6MM	KL1606RX	KL9972	Auto Installer 6.6MM	*
6.6MM	KL1606RX	KL5825	Ball Broach - .260	*
6.6MM	KL1606RX	KL5826	Ball Broach - .261	*
6.6MM	KL1606RX	KL5827	Ball Broach - .262	*
6.6MM	KL1606RX	KL3205	Trim Tool	*
7MM				
7MM	KL1607RX	KL1607RX	Standard 7MM Guide-Liner Kit	
7MM	KL1607RX	KL3576C-9	Boring Reamer 7MM	*
7MM	KL1607RX	KL9931	Reamer Bushing 7MM	*
7MM	KL1607RX	KL1036	Guide Brush	*
7MM	KL1607RX	KL9973	Auto Installer 7MM	*
7MM	KL1607RX	KL5835	Ball Broach - .276	*
7MM	KL1607RX	KL5836	Ball Broach - .277	*
7MM	KL1607RX	KL5837	Ball Broach - .278	*
7MM	KL1607RX	KL5838	Ball Broach - .279	*
7MM	KL1607RX	KL1897	Trim Tool	*
8MM				
8MM	KL1608RX	KL1608RX	Standard 8MM Guide-Liner Kit	
8MM	KL1608RX	KL3581C-9	Boring Reamer 8MM	*
8MM	KL1608RX	KL9933	Reamer Bushing 8MM	*
8MM	KL1608RX	KL1036	Guide Brush	*
8MM	KL1608RX	KL9968	Auto Installer 8MM	*
8MM	KL1608RX	KL5847	Ball Broach - .315	*
8MM	KL1608RX	KL5848	Ball Broach - .316	*
8MM	KL1608RX	KL5849	Ball Broach - .317	*
8MM	KL1608RX	KL1787	Trim Tool	*
9MM				
9MM	KL1609RX	KL1609RX	Standard 9MM Guide-Liner Kit	
9MM	KL1609RX	KL3586C-9	Boring Reamer 9MM	*
9MM	KL1609RX	KL9935	Reamer Bushing 9MM	*
9MM	KL1609RX	KL1036	Guide Brush	*
9MM	KL1609RX	KL9969	Auto Installer 9MM	*
9MM	KL1609RX	KL5864	Ball Broach - .354	*
9MM	KL1609RX	KL5865	Ball Broach - .355	*
9MM	KL1609RX	KL5866	Ball Broach - .356	*
9MM	KL1609RX	KL3235	Trim Tool	*