

EASY SOLUTIONS BULLETIN



Hexagonal wrench design on all ball pins



Open tube design allows the ball pin to move.



MOOG design with hexagonal wrench.

THESE MOOG PART NUMBERS ALL HAVE THE NEW HEXAGONAL WRENCH DESIGN:

AL-WP-7526	FI-TC-1963	HO-WP-0166	HY-WP-10434	ME-TC-1962	RO-WP-6594
AL-WP-7527	FI-TC-1964	HO-WP-0322	HY-WP-2630	MI-ES-1629	RO-WP-6595
AU-TC-6997	FI-TC-8871	HO-WP-0323	HY-WP-2631	MI-WP-0407	SA-WP-2844
AU-TC-6998	FI-TC-8872	HO-WP-0596	HY-WP-2650	MI-WP-0408	SA-WP-2845
BM-LS-5198	FI-WP-0354	HO-WP-0597	HY-WP-2651	NI-LS-10692	SE-TC-7509
FD-DS-4152	FI-WP-0355	HO-WP-0823	HY-WP-3148	NI-WP-2795	VO-LS-0318
FD-ES-3368	FI-WP-1462	HO-WP-0824	HY-WP-3149	NI-WP-2796	VO-LS-0456
FD-ES-3369	FI-WP-1463	HO-WP-1804	LA-DS-0387	OP-BJ-3166	VO-LS-2406
FD-ES-3379	FI-WP-5692	HO-WP-1805	LA-ES-0386	OP-WP-0670	VO-TC-8228
FD-LS-2368	FI-WP-5693	HO-WP-2566	LR-LS-3310	OP-WP-0671	VO-TC-8229
FI-ES-0260	FI-WP-7503	HO-WP-2567	MD-WP-0973	RO-BJ-6596	VO-TC-8230
FI-ES-0261	FI-WP-7504	HO-WP-5069	MD-WP-0974	RO-BJ-6597	VV-BJ-5294
FI-ES-4684	HO-BJ-10953	HO-WP-5070	ME-RK-6613	RO-WP-2008	
FI-ES-4970	HO-WP-0165	HY-WP-10433	ME-TC-1961	RO-WP-2009	



Challenge

Many ball joints, tie rod ends and link stabilizers feature a ball pin with an **open tube design**. However, this design doesn't allow the installer to stop the ball pin from moving during installation or removal.

Result: **removal and installation can be very difficult** and in worst case scenarios impossible because the nut cannot be threaded on to the ball pin as it rotates whilst attempting to do so.



Easy Solutions

MOOG introduces a hexagonal wrench design on all its ball pins. This easy solution allows the installer to fix the ball pin with a simple hex key. The installers' benefit: much easier installation or removal of ball joints, tie rod ends and link stabilizers.

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MAKE IT EASY. MAKE IT **MOOG**

