



ORTHODONTIC COIL SPRING

- **NiTi** Close Coil Spring
- **NiTi** Open Coil Spring

Product Description

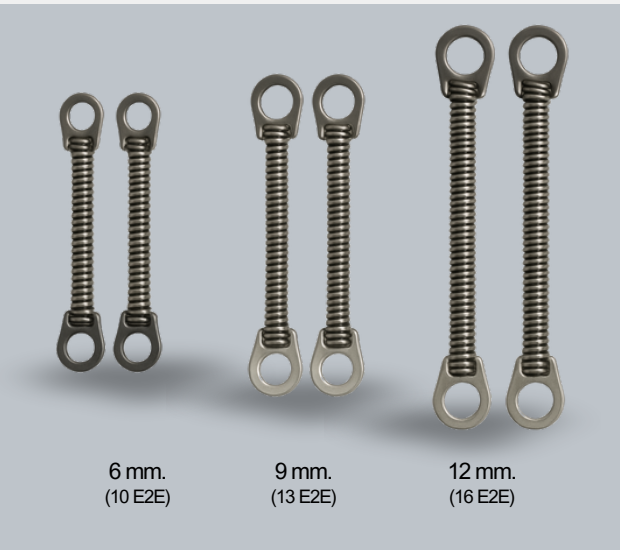
Orthodontic coil springs, available in both open and closed designs, offer a versatile and efficient solution for space management during treatment. Open coil springs are ideal for creating space between teeth by exerting continuous outward force, while closed coil springs provide controlled traction or help maintain space with consistent compressive force. Manufactured from high-quality stainless steel or NiTi alloys, these springs deliver excellent elasticity, fatigue resistance, and dimensional stability. Their smooth surface finish minimizes friction, enabling efficient tooth movement and reducing treatment time. With precise force delivery and shape memory, coil springs ensure predictable biomechanics and minimize chairside adjustments. Available in various lengths and force levels, they can be tailored to suit different treatment phases and clinical requirements, enhancing both practitioner efficiency and patient comfort.

■ NiTi Close Coil Spring

Z-MAT NiTi Close Coil Springs are designed for effective space closure with predictable, biologically compatible forces. Available in calibrated Light and Medium Force levels, they resist fatigue and provide consistent activation over short or extended use. Choose from multiple E2E lengths to fit each clinical phase.

Key Features

- Calibrated Light & Medium force options
- Fatigue-resistant NiTi material for long-term use
- Smooth coil design minimizes tissue irritation
- Available in 3 E2E sizes: 6 mm, 9 mm, 12 mm
- Compatible with most bracket and hook systems



E2E refers to the distance measured from center of eyelet to center of eyelet

Size	Force	Product Code
6 mm. (10 E2E)	Medium Force	Z-CCS-6M
	Light Force	Z-CCS-6L
9 mm. (13 E2E)	Medium Force	Z-CCS-9M
	Light Force	Z-CCS-9L
12 mm. (16 E2E)	Medium Force	Z-CCS-12M
	Light Force	Z-CCS-12L

Light Force										
SIZE	Product Code	12mm	16mm	20mm	24mm	28mm	32mm	37mm	42mm	
6 (10 E2E)		83	133	156	210					
9 (13 E2E)			74	150	184	209	239			
12 (16 E2E)				62	76	84	92	107	142	
Medium Force										
SIZE	Product Code	12mm	13mm	14mm	16mm	17mm	18mm	20mm	22mm	24mm
6 (10 E2E)		156	209	236						
9 (13 E2E)					151	204	237			
12 (16 E2E)								104	183	215

■ NiTi Open Coil Spring

Z-MAT Brand NiTi Open Coil Springs deliver controlled, temperature-sensitive force for effective space opening. Crafted for clinical precision, they minimize chairside time while ensuring gentle, biologically safe tooth movement—ideal for alignment, crowding relief, and pre-implant spacing.

Length	Size	Product Code
180 mm.	0.010"	Z-OCS-18010
	0.012"	Z-OCS-18012

This product is designed to maintain or create space between the teeth by applying gentle, continuous force during orthodontic treatment.

