

Hydraulic Wedge Grips Series WG-H up to 3000 kN

This rigid, general-purpose hydraulic wedge grips provide productive tensile testing and quick and easy interchanging between different inserts (jaw faces).

The open-front construction makes specimen insertion quick and easy, and the wedge construction increase the gripping force proportional to the tensile load so that no clamping force must be pre-selected.

The WG-H series are easy to use tensile grips in symmetrical, open front construction to accept inserts for flat and round specimens.



They are the preferred gripping solution for many customers, testing a wide range of specimens and materials including rebars, metallic bars and sheet metals.

They are so popular as they provide excellent specimen gripping and are easy to operate.

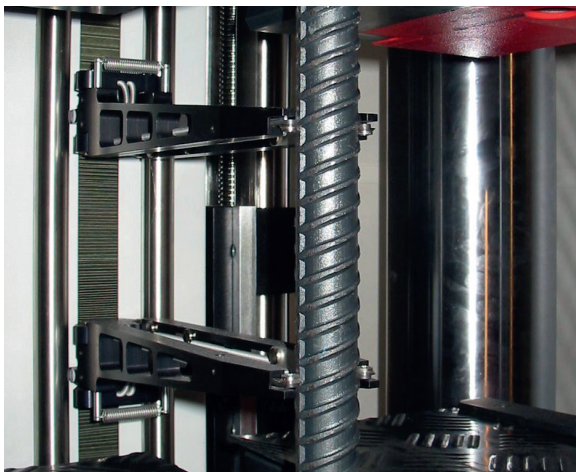
These grips are also well suited for dusty, industrial environments as well as testing of materials with scale as the moving parts are shielded by protective dust covers.

These hydraulic grips are typically operated through the portable hand-set which makes specimen insertion easy.

The WG-H grips have standardized threaded holes, some sizes with additional centring pin holes, in the ground end faces. This enables the precisely attaching of compression platen, bending devices or any other fixture, tool or accessories directly to the grips.

The specimen protect function offered by your electronics / software helps to prevent your specimen from being damaged during setup and gripping by reducing the introduced compression force considerable.

When these grips are installed at servohydraulic testing machines, then another advantage of this grips is, that the hydraulic power is provided by the machine's main power pack via a grip sub-manifold that reduce the cost and floor space associated with a secondary grip pumping unit. The grips wedge effect does further not require that high pressure is needed, this makes them very reliable.



Technical Data

Model		WG-150-H	WG-300-H	WG-400-H	WG-600-H	WG-1000-H
Max. Tensile Force	kN	150	300	400	600	1000
Max. Diameter of Round Specimen	mm	40	40	60	60	80
Max. Thickness of Flat Specimens	mm	32	50	60	60	70
Max. Width of Flat Specimen	mm	60	80	80	80	120
Insert Clamping Length	mm	60	80	100	100	150
Body Width (W)	mm	320	400	550	560	650
Body Depth (D)	mm	80	125	200	230	260
Body Height (H)	mm	250	350	480	500	575
Weight per Grip	Kg	48	136	363	450	637
Temperature Range	°C	Ambient Temperatures 10°C to 40°C				

Model		WG-1200-H	WG-1500-H	WG-2000-H	WG-2500-H	WG-3000-H
Max. Tensile Force	kN	1200	1500	2000	2500	3000
Max. Diameter of Round Specimen	mm	80	80	65	65	65
Max. Thickness of Flat Specimens	mm	70	70	70	70	70
Max. Width of Flat Specimen	mm	120	120	120	120	120
Insert Clamping Length	mm	150	150	160	160	160
Body Width (W)	mm	650	700	845	920	1000
Body Depth (D)	mm	260	300	350	450	540
Body Height (H)	mm	575	650	770	790	815
Weight per Grip	Kg	637	880	1400	2200	2980
Temperature Range	°C	Ambient Temperatures 10°C to 40°C				

