

Tools and Accessories

A wide range of accessories is available for the professional use of PTR test probes. These include receptacle insertion tools for the ICT test probe range and test probes for use in test modules for cable tests. In addition, we offer screwing tools for our series of test probes with thread, also available as torque screwdrivers. A spring force measuring device, especially suitable for use with the push-back probes needed for the cable test, completes this range. This device makes it possible to carry out the necessary monitoring of contact pressures and their constancy.



Insertion and Extraction Tools for Test Probes

Test Probe Type	Smallest Spacing mm / mil	Tip Style Diameter mm	Insertion Tool	Extraction Tool
1012/E	1.91 / 75	< 0.9	WFEA 1015	flat-nose-pliers
1012/E	1.91 / 75	0.9 ... 2.0*	WFEA 1015	WFEA 1015
1015	2.54 / 100	< 0.9	WFEA 1015	flat-nose-pliers
1015	2.54 / 100	0.9 ... 2.0*	WFEA 1015	WFEA 1015
1021, 2021	2.54 / 100	< 1.2	WFEA 1021	flat-nose-pliers
1021, 2021	2.54 / 100	1.2 ... 2.0*	WFEA 1021	WFEA 1021
1028, 2028, 2053	2.54 / 100	< 1.5	WFEA 1028	flat-nose-pliers
1028, 2028, 2053	2.54 / 100	1.5 ... 2.0*	WFEA 1028	WFEA 1028
1029, 2029	2.54 / 100	< 1.5	WFEA 1028	flat-nose-pliers
1029, 2029	2.54 / 100	1.5 ... 2.0*	WFEA 1028	WFEA 1028
1050, 1060	4.00 / 160	< 2.0	WFEA 1050	flat-nose-pliers
1050, 1060	4.00 / 160	2.0 ... 3.0*	WFEA 1050	WFEA 1050
2053	2.54 / 100	< 1.5	WFEA 1028	flat-nose-pliers
2053	2.54 / 100	1.5 ... 2.0*	WFEA 1028	WFEA 1028
3010/..	4.00 / 160	< 2.0	WFEA 1050	flat-nose-pliers
3010/..	4.00 / 160	2.0 ... 3.0*	WFEA 1050	WFEA 1050
3020/2	2.54 / 100	< 1.2	WFEA 1021	flat-nose-pliers
3020/2	2.54 / 100	1.2 ... 2.0*	WFEA 1021	WFEA 1021
3030	2.54 / 100	< 1.0	WFEA 3030	flat-nose-pliers
3030	2.54 / 100	1.0 ... 2.3*	WFEA 3030	WFEA 3030

* When to use bigger headdiameters please order for special tools!
When ordering please mention the test probe type!

Receptacle Insertion Tools Metal Handle Design



Receptacle	Sleeve Insertion Tool	
	Complete	Insertion
H 1007	WHE 1200/07	WHE 1200/007
H 1008, H1008/E	WHE 1200/08	WHE 1200/008
H 1010	WHE 1200/12	WHE 1200/012
H 1012	WHE 1200/12	WHE 1200/012
H 1015, H 1015/G..	WHE 1200/15	WHE 1200/015
H 1021	WHE 1200/21	WHE 1200/021
H 1021/GV..	WHE 1200/21-V	WHE 1200/021-V
H 1025	WHE 1200/15	WHE 1200/015
H 1030	WHE 1200/30	WHE 1200/030
H 1050	WHE 1200/50	WHE 1200/050
H 1053/GRV, H1053/GVRV	WHE 1200/53-V	WHE 1200/053-V
H 1070	WHE 1200/75	WHE 1200/075
H 1075, H 1075/G-L	WHE 1200/75	WHE 1200/075
H 1080	WHE 1200/80	WHE 1200/80
H 2021	WHE 1200/21	WHE 1200/021
H 2050	WHE 1200/50	WHE 1200/050
H 3014	WHE 1200/3014	WHE 1200/03014
H 3023	WHE 1200/3023	WHE 1200/03023
H 3024	WHE 1200/3024	WHE 1200/03024
H 3028/VR.01	WHE 1200/3028-1	WHE 1200/03028-1
H 5104..	WHE 1200/5104	WHE 1200/05104
SK790	WHE 1200/790	WHE 1200/790

Receptacle Extraction Tools Metal Handle Design

Receptacle	Sleeve Extraction Tool	
	Complete	Insertion
H 1008	WHA 1200/08	WHA 1200/008
H 1012	WHA 1200/12	WHA 1200/012
H 1025	WHA 1200/25	WHA 1200/025



Receptacle Insertion Tools Plastic Handle Design

Receptacle	Sleeve Insertion Tool Complete	Marking
		on Tool Shank
H 1015	WHE 137	1 Ring
H 1015/G	WHE 137	1 Ring
H 1021	WHE 165	2 Rings
H 1021/G	WHE 165	2 Rings
H 1042	WHE 300	4 Rings
H 1050	WHE 265	3 Rings
H 1060/G	WHE 265	3 Rings
H 2021	WHE 165	2 Rings
H 2050	WHE 265	3 Rings
H 3010, H 3010-22, H 3010/S-23, H 3010/S-28	WHE 265	3 Rings
H 3010/GS, H 3010/GW, H 3010/GW5, H 3010/GWR5	WHE 265	3 Rings
H 3011	WHE 265	3 Rings
H 3020, H 3020/S-26	WHE 165	2 Rings
H 3020/GS-26, H 3020/GRS-26, H 3020/GW5, H 3020/GWR5	WHE 165	2 Rings
H 3023/G, H 3023/5G, H 3023/ GWR5	WHE 165	2 Rings

Screwing Tools / Screw-In Torques for Threaded Test Probes

Important! If excessive torque is applied, this may destroy the threaded test probe (broken thread, buckling of barrel and/or receptacle, damage to the barrel square-end or screw slot), or it may destroy the screwing tool (cracking/splitting of the square end, damage to the square-end surfaces etc. → loss of grip)

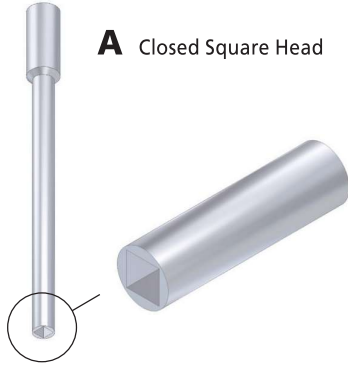
Series	Smallest Center	Greatest Head Diameter	Tool Type	Screwing Tools	Recommended Screwing-In Torque	Maximum Screwing-In Torque
1007/G	1.27	1.0	A	WFS 1007/G-1.27-1.0	0.5 ... 1.0 Ncm	max. 1.0 Ncm
1010/G	1.50	1.0	A	WFS 1010/G-1.5-1.0	1.0 Ncm	max. 1.5 Ncm
1010/G	2.30	1.5	B	WFS 1010/G-2.3-1.5-Z	1.0 Ncm	max. 1.5 Ncm
1012/G	1.50	1.0	A	WFS 1012/G-1.5-1.0	0.5 ... 1.0 Ncm	max. 1.0 Ncm
1012/G	1.90	1.5	B	WFS 1012/G-1.9-1.5-Z	0.5 ... 1.0 Ncm	max. 1.0 Ncm
1015/G	2.54	1.5	A	WFS 1015/G-2.54-1.5	2.0 Ncm	max. 3.0 Ncm
	2.54	1.8	A	WFS 1015/G-2.54-1.8	2.0 Ncm	max. 3.0 Ncm
1021/G, 1021/GV	2.54	1.8	A	WFS 1021/G-2.54-1.8	3.0 Ncm	max. 5.0 Ncm
	2.54	2.0	A	WFS 1021/G-2.54-2.0	3.0 Ncm	max. 5.0 Ncm
	3.00	2.5	B	WFS 1021/G-C2S-3.0-2.5-Z	3.0 Ncm	max. 5.0 Ncm
	3.50	3.0	B	WFS 1021/G-3.5-3.0-Z	2.0 Ncm	max. 3.0 Ncm
1042/G	all	all	D	Screwdriver for Slotted Screws 1.8x0.5	4.0 Ncm	max. 15.0 Ncm
1053/G	5.00	4.0	B	WFS 1053/G-5.0-4.0-Z	4.0 Ncm	max. 7.0 Ncm
	6.00	5.0	B	WFS 1053/G-6.0-5.0-Z	4.0 Ncm	max. 7.0 Ncm
1060/G	4.00	3.0	A	WFS 1060/G-4.0-3.0	4.0 Ncm	max. 15.0 Ncm
	5.00	4.0	B	WFS 1060/G-5.0-4.0-Z	4.0 Ncm	max. 15.0 Ncm
	6.00	5.0	B	WFS 1060/G-6.0-5.0-Z	4.0 Ncm	max. 15.0 Ncm
1060/G4	5.00	4.0	A	WFS 1060/G4-5.0-4.0	4.0 Ncm	max. 15.0 Ncm
1060/G5	6.00	5.0	A	WFS 1060/G5-6.0-5.0	4.0 Ncm	max. 7.0 Ncm
1075/G	5.00	4.0	A	WFS 1070/G-5.0-4.0	5.0 Ncm	max. 15.0 Ncm
3010/2G	4.00	3.0	A	WFS 1060/G-4.0-3.0	4.0 Ncm	max. 15.0 Ncm
	5.00	4.0	B	WFS 1060/G-5.0-4.0-Z	4.0 Ncm	max. 15.0 Ncm
	6.00	5.0	B	WFS 1060/G-6.0-5.0-Z	4.0 Ncm	max. 15.0 Ncm
3010/2G5	4.00	3.0	A	WFS 1060/G-4.0-3.0	4.0 Ncm	max. 15.0 Ncm
	5.00	4.0	B	WFS 1060/G-5.0-4.0-Z	4.0 Ncm	max. 15.0 Ncm
	6.00	5.0	B	WFS 1060/G-6.0-5.0-Z	4.0 Ncm	max. 15.0 Ncm
3010/2GW	4.00	3.0	A	WFS 1060/G-4.0-3.0	4.0 Ncm	max. 15.0 Ncm
	5.00	4.0	B	WFS 1060/G-5.0-4.0-Z	4.0 Ncm	max. 15.0 Ncm
	6.00	5.0	B	WFS 1060/G-6.0-5.0-Z	4.0 Ncm	max. 15.0 Ncm
3010/2GW5	4.00	3.0	A	WFS 1060/G-4.0-3.0	4.0 Ncm	max. 15.0 Ncm
	5.00	4.0	B	WFS 1060/G-5.0-4.0-Z	4.0 Ncm	max. 15.0 Ncm
	6.00	5.0	B	WFS 1060/G-6.0-5.0-Z	4.0 Ncm	max. 15.0 Ncm
3010/10G	4.00	3.0	A	WFS 1060/G-4.0-3.0	4.0 Ncm	max. 15.0 Ncm
	5.00	4.0	B	WFS 1060/G-5.0-4.0-Z	4.0 Ncm	max. 15.0 Ncm
	6.00	5.0	B	WFS 1060/G-6.0-5.0-Z	4.0 Ncm	max. 15.0 Ncm
3011/2GS	4.00	3.0	A	WFS 1060/G-4.0-3.0	4.0 Ncm	max. 15.0 Ncm
	5.00	4.0	B	WFS 1060/G-5.0-4.0-Z	4.0 Ncm	max. 15.0 Ncm
	6.00	5.0	B	WFS 1060/G-6.0-5.0-Z	4.0 Ncm	max. 15.0 Ncm
3012/2GS (Plungers with pins)	all	all	D	Screwdriver for Slotted Screws 1.8x0.5	4.0 Ncm	max. 7.0 Ncm
3012/2GS (Plungers without pins)	4.0	2.6	A	WFS 3012-4.0-2.6	4.0 Ncm	max. 7.0 Ncm
3014/2G	4.00	3.0	A	WFS 1060/G-4.0-3.0	4.0 Ncm	max. 15.0 Ncm
	5.00	4.0	B	WFS 1060/G-5.0-4.0-Z	4.0 Ncm	max. 15.0 Ncm
	6.00	5.0	B	WFS 1060/G-6.0-5.0-Z	4.0 Ncm	max. 15.0 Ncm
3015/G	7.00	5.0	A	WFS 3015/G-7.0	5.0 Ncm	max. 15.0 Ncm

Series	Smallest Center	Greatest Head Diameter	Tool Type	Screwing Tools	Recommended Screwing-In Torque	Maximum Screwing-In Torque
3020/2G, 3020/2GW5	2.54	1.8	A	WFS 1021/G-2.54-1.8	3.0 Ncm	max. 5.0 Ncm
	2.54	2.0	A	WFS 1021/G-2.54-2.0	3.0 Ncm	max. 5.0 Ncm
	3.00	2.5	B	WFS 1021/G-C2S-3.0-2.5-Z	3.0 Ncm	max. 5.0 Ncm
	3.50	3.0	B	WFS 1021/G-3.5-3.0-Z	2.0 Ncm	max. 3.0 Ncm
3023/2GS	2.54	1.8	A	WFS 1021/G-2.54-1.8	3.0 Ncm	max. 5.0 Ncm
	2.54	2.0	A	WFS 1021/G-2.54-2.0	3.0 Ncm	max. 5.0 Ncm
	3.00	2.5	B	WFS 1021/G-C2S-3.0-2.5-Z	3.0 Ncm	max. 5.0 Ncm
	3.50	3.0	B	WFS 1021/G-3.5-3.0-Z	2.0 Ncm	max. 3.0 Ncm
	2.54	1.8	A	WFS 1021/G-2.54-1.8	3.0 Ncm	max. 5.0 Ncm
	2.54	2.0	A	WFS 1021/G-2.54-2.0	3.0 Ncm	max. 5.0 Ncm
3024/2G	3.00	2.5	B	WFS 1021/G-C2S-3.0-2.5-Z	3.0 Ncm	max. 5.0 Ncm
	3.50	3.0	B	WFS 1021/G-3.5-3.0-Z	2.0 Ncm	max. 3.0 Ncm
	2.54	1.8	A	WFS 1021/G-2.54-1.8	3.0 Ncm	max. 5.0 Ncm
3028.01	2.54	2.0	A	WFS 1021/G-2.54-2.0	3.0 Ncm	max. 5.0 Ncm
	3.00	2.5	B	WFS 1021/G-C2S-3.0-2.5-Z	3.0 Ncm	max. 5.0 Ncm
	3.50	3.0	B	WFS 1021/G-3.5-3.0-Z	2.0 Ncm	max. 3.0 Ncm
3030/GW3	2.54	1.5	A	WFS 1015/G-2.54-1.5	2.0 Ncm	max. 3.0 Ncm
	2.54	1.8	A	WFS 1015/G-2.54-1.8	2.0 Ncm	max. 3.0 Ncm
4004/G	4.00	3.0	A	WFS 1060/G-4.0-3.0	4.0 Ncm	max. 15.0 Ncm
	5.00	4.0	B	WFS 1060/G-5.0-4.0-Z	4.0 Ncm	max. 15.0 Ncm
	6.00	5.0	B	WFS 1060/G-6.0-5.0-Z	4.0 Ncm	max. 15.0 Ncm
5104	4.00	3.0	A	WFS 1060/G-4.0-3.0	4.0 Ncm	max. 15.0 Ncm
	5.00	4.0	B	WFS 1060/G-5.0-4.0-Z	4.0 Ncm	max. 15.0 Ncm
	6.00	5.0	B	WFS 1060/G-6.0-5.0-Z	4.0 Ncm	max. 15.0 Ncm
5110/G	4.00	3.0	A	WFS 1060/G-4.0-3.0	4.0 Ncm	max. 15.0 Ncm
	5.00	4.0	B	WFS 1060/G-5.0-4.0-Z	4.0 Ncm	max. 15.0 Ncm
	6.00	5.0	B	WFS 1060/G-6.0-5.0-Z	4.0 Ncm	max. 15.0 Ncm
5203	2.54	2.0	A	WFS 5203-2.54-2.0	3.0 Ncm	max. 5.0 Ncm
	3.50	2.7	B	WFS 5203-3.5-2.7-Z	3.0 Ncm	max. 5.0 Ncm
5207/G	all	all	E	Hexagon Socket Key 2 mm	4.0 Ncm	max. 15.0 Ncm
5257/G	2.54	1.8	A	WFS 1021/G-2.54-1.8	3.0 Ncm	max. 5.0 Ncm
	2.54	2.0	A	WFS 1021/G-2.54-2.0	3.0 Ncm	max. 5.0 Ncm
	3.00	2.5	B	WFS 1021/G-C2S-3.0-2.5-Z	3.0 Ncm	max. 5.0 Ncm
	3.50	3.0	B	WFS 1021/G-3.5-3.0-Z	2.0 Ncm	max. 3.0 Ncm
5265	3.00	2.3	A	WFS 5265-3.0-2.3	3.0 Ncm	max. 5.0 Ncm
	3.00	2.5	B	WFS 5265-3.0-2.5-Z	3.0 Ncm	max. 5.0 Ncm
	3.50	3.0	B	WFS 5265-3.5-3.0-Z	3.0 Ncm	max. 5.0 Ncm
	4.50	4.0	B	WFS 5265-4.5-4.0-Z	3.0 Ncm	max. 5.0 Ncm
7840/G	/	8.0	B	WFS 7840/G-8.0	5.0 Ncm	max. 8.0 Ncm
7860/G	/	8.0	B	WFS 7860/G-8.0	5.0 Ncm	max. 8.0 Ncm

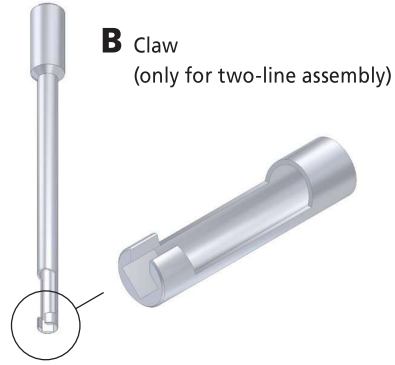
A – closed square-head | **B** – claw (only for two-line assembly) | **D** – screwdriver for slotted screws | **E** – hexagon socket key
Other tools on request! When ordering tools, please specify the test probe to be assembled!

Screwing Tools Screw-In Test Probes

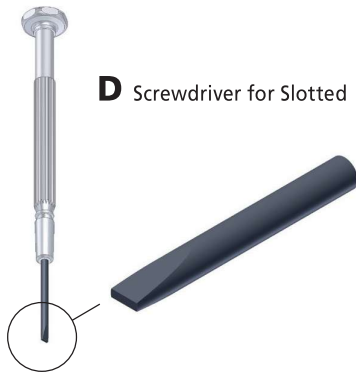
Tool Type



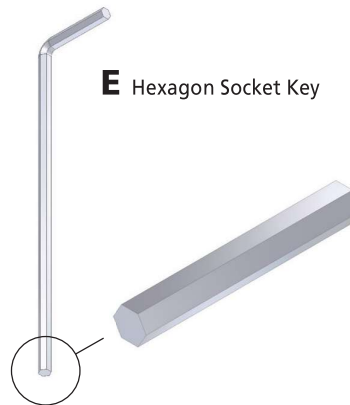
A Closed Square Head



B Claw
(only for two-line assembly)



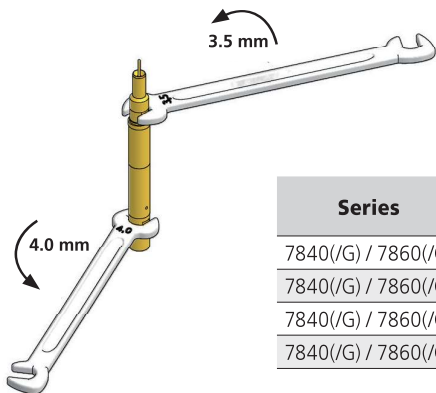
D Screwdriver for Slotted Screws



E Hexagon Socket Key

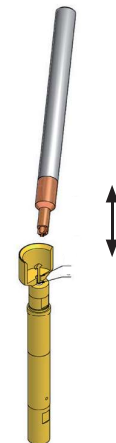
Assembly Tools for High Frequency Test Probe

Spanners



Series	Greatest Head Diameter	Tool Type
7840(/G) / 7860(/G)	0.5	WFK 7860-i-05
7840(/G) / 7860(/G)	1.8	WFK 7860-i-18
7840(/G) / 7860(/G)		SW 3.5
7840(/G) / 7860(/G)		SW 4.0

Assembly / Dismantling of the Inner Conductor using the Special Tool



Torque ScrewDriver



Adapter

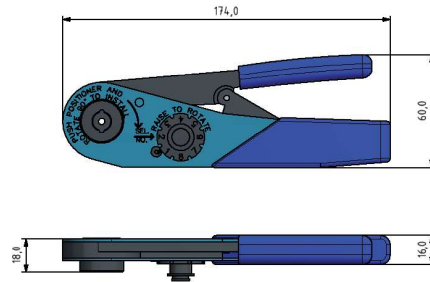
Typ	Colour Code	Sector
DMS 2	green	2 Ncm
DMS 3	blue	3 Ncm
DMS 4	red	4 Ncm

Crimp Tool AFM8

- ▶ 4 point crimping
- ▶ For receptacles
- ▶ Crimping capacities adjustable

Technical Data

Wire Size	0.09 - 0.82 mm ²
AWG	32 - 20
Weight	332,75 g



Digital Force Gauge FKT 50

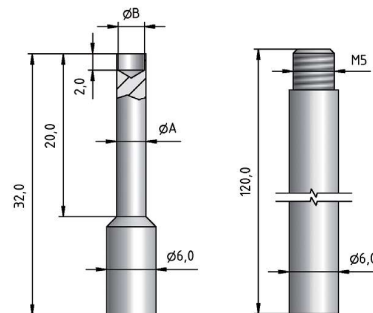
Specifications

Display	5-digits LCD display with light
Display Direction	Positive or Reserve direction, select by the push button on the front panel
Function	Tension & Compression (Push & Pull)
Peak hold	Will freeze the display value of the peak load (Max. load)
Zero	Zero button can be operated both for "normal force" or Peak hold" operation
Unit select	g / N / oz
Measure Capacity	5 kg / 49,3 N / 176,40 oz
min. Display	3 g / 0,03 N / 0,10 oz
Accuracy	+/-0,4% bei 25 °C
Overload Capacity	7,5 kg
Power Consumption	Approx. 28 mA
Power Supply	6 x 1,5 V AA (not included)
Dimension	215 x 90 x 45 mm
Weight	650 g with batteries



Dimension

Ø A mm	Ø B mm	Center mm
2.1	1.6	2.54
2.6	2.1	2.54
3.6	3.1	4.0
4.6	4.1	5.0
5.6	5.1	6.0



Test Point

Connecting Bar