



ASSEMBLY TOOLS

CONTENTS	PAGE
Crimping tools and inserts for flexible cables	385
Tool boxes	387
Tool sets for semi-rigid cable assembling (solder type)	389
Selection of common and helpful assembly tools	389
Assembly tools for BMA connectors with hermetic seal	394
Assembly tools for SK connectors	394
Spanners	395
Torque wrenches	395
Combination tool for MMBX/MMCX/MCX-right angle connectors	396
Special tools for QMA connectors	396
Special tools for QN connectors	397
Decoupling tool for MMPX	397
Tap drill	398
Various tools	398
Tools for HUBER+SUHNER QUICK-FIT connectors	399

CRIMPING TOOLS AND INSERTS FOR FLEXIBLE CABLES

small crimp tool with fixed inserts



H+S type	Item no.	Size	Colour code	Square-section (centre contact)	Hexagonal section (outer contact)
75_Z-0-3-4	22544613	2B	orange	1.6 mm / .063 in.	5.5 mm / .217 in.
75_Z-0-4-4	22544612	2C	yellow	1.6 mm / .063 in.	6.5 mm / .256 in.

small crimp tool with interchangeable inserts 1/2A, 2B, 2C



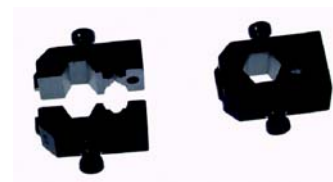
Fig. 1



Fig. 2

H+S type	Item no.	Description	Fig.
75_Z-0-0-50	22544754	tool without inserts	1
75_Z-0-0-51	22544755	tool with various inserts in wooden box (1/2A, 2B, 2C)	2

interchangeable inserts for small crimp tool



H+S type	Item no.	Size	Square-section (centre contact)	Hexagonal section (outer contact)
76_Z-0-1-1	23000884	0.54/A	0.54 mm / .021 in.	3.3 mm / .130 in.
76_Z-0-2-20	22645153	1/4.95	0.7 mm / .028 in.	4.95 mm / .195 in.
76_Z-0-2-51	22544756	1/2A	0.7/1.6 mm / .028/.063 in.	3.3 mm / .130 in.
76_Z-0-2-53	22645337	1/2.67	0.7 mm / .028 in.	2.7 mm / .106 in.
76_Z-0-3-51	22544757	2B	1.6 mm / .063 in.	5.5 mm / .217 in.
76_Z-0-4-51	22544758	2C	1.6 mm / .063 in.	6.5 mm / .256 in.

large crimp tool with interchangeable inserts 1/2A, 2B, 2C, 3D



Fig. 1



Fig. 2

H+S type	Item no.	Description	Fig.
75_Z-0-0-1	22543157	tool without inserts	1
76_Z-0-0-15	22543177	tool with various inserts in wooden box (1/2A, 2B, 2C, 3D)	2

TOOL BOXES



H+S type	Item no.	Description
76_Z-0-0-9	22644671	large tool box (empty)
76_Z-0-0-11	22543175	large tool box without tooling but including foam insert for tools and allen key

table press with interchangeable inserts



H+S type	Item no.	Description
75_Z-0-0-2	22543158	press without inserts (for inserts see next page)

interchangeable inserts fitting large crimp tool and table press



H+S type	Item no.	Size	Colour code	Square-section (centre contact)	Hexagonal section (outer contact)
76_Z-0-1-2	23000885	0.54/A		0.54 mm / .021 in.	3.30 mm / .130 in.
76_Z-0-2-1	22543181	1/2 A	red	0.7/1.6 mm / .028/.063 in.	3.30 mm / .130 in.
76_Z-0-2-8	22544191	1/4.95		0.7 mm / .028 in.	4.95 mm / .195 in.
76_Z-0-3-1	22543185	2 B	orange	1.6 mm / .063 in.	5.50 mm / .217 in.
76_Z-0-3-9	22641133	B 1.22/1.22		1.2 mm / .047 in.	5.50 mm / .217 in.
76_Z-0-4-1	22543189	2 C	yellow	1.6 mm / .063 in.	6.50 mm / .256 in.
76_Z-0-4-8	22543190	C 1.22/1.22		1.2 mm / .047 in.	6.50 mm / .256 in.
76_Z-0-5-8	22543192	8/1.22/1.22		1.2 mm / .047 in.	8.00 mm / .315 in.
76_Z-0-5-21	22543193	2/8.0		1.6 mm / .063 in.	8.00 mm / .315 in.
76_Z-0-6-1	22649051	3/8.65		2.4 mm / .094 in.	8.65 mm / .341 in.
76_Z-0-6-21	22543194	2/9.75		1.6 mm / .063 in.	9.80 mm / .386 in.
76_Z-0-7-1	22543195	3 D	violet	2.4 mm / .094 in.	10.70 mm / .421 in.
76_Z-0-7-7	22543196	2 D		1.6 mm / .063 in.	10.70 mm / .421 in.
76_Z-0-7-8	22660322	2.5/D		2.5 mm / .098 in.	10.70 mm / .421 in.
76_Z-0-7-14	22544524	4 D		3.3 mm / .130 in.	10.70 mm / .421 in.
76_Z-0-10-14	23002630	12.4		—	12.40 mm / .488 in.
76_Z-0-0-26	22645880	1/2.67		0.7 mm / .028 in.	2.70 mm / .106 in.

special inserts and tools for large crimp tool and table press



H+S type	Item no.	Description
76_Z-0-0-1	22543170	cutting insert for cables up to 12 mm/4.72 in. outer diameter
76_Z-0-0-2	22543172	spare blades for cutting insert (10 pieces per package)
76_Z-0-0-3	22543173	support plate for bench mounting of large crimp tool

TOOL SETS FOR SEMI-RIGID CABLE ASSEMBLING (SOLDER TYPE)

The tool sets include a solid wooden storage case. The composition of these sets is as indicated in the list of tools.



H+S type	Item no.	Series	Description
74_Z-0-0-70	22544725	SMA	includes all tools required for economic and reliable assembling of SMA connectors
74_Z-0-0-71	22641350	N	includes all tools required for assembling of N connectors to semi-rigid cables
74_Z-0-0-72	22544747	SMA	includes only the minimum of tools required for assembling of SMA connectors

SELECTION OF COMMON AND HELPFUL ASSEMBLY TOOLS

H+S type	Item no.	W-no.	for series	Description	Tool set 74 Z-0-0-			
					70	71	72	
74_Z-0-0-10	22543120	W10		"Soldomat" soldering device for center contacts				
74_Z-0-0-14	22543124	W14	SMA	locator tools for contact and insulators	●		●	
74_Z-0-0-21	22543130	W21	SMA	torque wrench 1 Nm	●			
74_Z-0-0-24	22543133		SMA	tap drill for SMA (1/4-36 UNS-2B thread)				
74_Z-0-0-29	22543138	W29	N	dielectric insertion tool for insulators series N		●		

H+S type	Item no.	W-no.	for series	Description	Tool set 74 Z-0-0-			
					70	71	72	
74_Z-0-0-35	22544282	W35	N	soldering gauge 0.45 mm / .018 in.		●		
74_Z-0-0-52	22544553	W52	SMA	dielectric insertion tool for SMA-plugs	●		●	
74_Z-0-0-53	22544554	W53	SMA	dielectric insertion tool for SMA-jacks	●		●	
74_Z-0-0-54	22544555	W54	SMA	contact holder for pins and sockets	●		●	
74_Z-0-0-55	22544516	W55	SMA	soldering gauge 0.25 mm / .010 in.	●		●	
74_Z-0-0-56	22544517	W56	SMA	soldering gauge 0.4 mm / .016 in.	●		●	
74_Z-0-0-58	22544557	W58	BMA, SK, N SMA	soldering fixture (works with W374)	●	●	●	
74_Z-0-0-59	22544558	W59	BMA N SMA	inserts for EZ 141 (works with W58 and W442)	●	●	●	
74_Z-0-0-60	22544559	W60	BMA N SMA	inserts for EZ 86 (works with W58 and W442)	●	●	●	
74_Z-0-0-61	22544560	W61	SMA	locator tool (works with W58 and W442)				
74_Z-0-0-62	22544561	W62	SMA	locator tool for SMA-plugs without pin (works with W58 and W442)				
74_Z-0-0-63	22544562	W63	SMA	trim tool for SMA-plugs without pin	●			
74_Z-0-0-66	22544616	W66	N	locator tool (works with W58 and W442)		●		
74_Z-0-0-67	22544640	W67	N	contact holder for pins and sockets series N		●		

H+S type	Item no.	W-no.	for series	Description	Tool set 74 Z-0-0-			
					70	71	72	
74_Z-0-0-68	22544715	W68	BMA SK, N SMA	1 set of blades with protector	●	●	●	
74_Z-0-0-73	22544688	W73		adaptor				
74_Z-0-0-75	22544807	W75	SK SMA	assembly tool for hermetic jacks				
74_Z-0-0-81	22641423		SK SMA	positioner for assembly of coupling nuts	●	●		
74_Z-0-0-142	22643462	W142	SMA	rebore tool	●		●	
74_Z-0-0-157	22643029	W157	BMA SK, N SMA	cable stripping jig for EZ 47, EZ 86, EZ 141, SUCOFORM 86 and 141	●	●	●	
74_Z-0-0-160	22643514			replacement cutting wheels; set for EZ 47, EZ 86, EZ 141 (works with W157)	●	●	●	
74_Z-0-0-164	22643028	W164	BMA N SMA	trim tool for centre contacts	●	●		
74_Z-0-0-196 74_Z-0-0-197 74_Z-0-0-198	22645359 22645360 22645361			replacement support cover for EZ 47 EZ 86 EZ 141 (works with W 157)				
74_Z-0-0-207 74_Z-0-0-208	22645363 22645362			replacement cutting wheels for EZ 47 EZ 86 EZ 141 (works with W157)				
74_Z-0-0-209	22645585	W209	BMA	locator tool used with W58 and W442 (for BMA plug)				
74_Z-0-0-210	22645586	W210	BMA	locator tool used with W58 and W442 (for BMA jack)				
74_Z-0-0-213	22645593	W213	BMA	removal tool for receptacles with snap-in mechanism				
74_Z-0-0-231	22646131	W231	SK	locator tool for SK-plugs (works with W58 and W442)				

H+S type	Item no.	W-no.	for series	Description	Tool set 74 Z-0-0-			
					70	71	72	
74_Z-0-0-232	22646132	W232	SK	locator tool for SK-jacks (works with W58 and W442)				
74_Z-0-0-233	22646133	W233	SK	inserts for semi-rigid cable EZ 118 (works with W58 and W442)				
74_Z-0-0-234	22646134	W234	SK	replacement cutting wheels for EZ 118 (works with W157)				
74_Z-0-0-246	22646873	W246	SMA	jacket remover for semi-rigid and Suco-form cables. After cutting and breaking of jacket with tool W-157, remove separated piece with tool W-246.				
74_Z-0-0-264	22646290	W264	SK	trim tool for centre conductor of semi-rigid cable EZ 118				
74_Z-0-0-265	22646291	W265	SK	spare blade for W264				
74_Z-0-0-270	22648901	W270	1.0/ 2.3	removal tool for 1.0/2.3 inserts				
74_Z-0-0-368	23021264	W368	SMA	locator tool for SMA female (works with W58 and W442)	●		●	
74_Z-0-0-369	23021266	W369	SMA	locator tool for SMA male (works with W58 and W442)	●		●	
74_Z-0-0-374	23022146	W374	BMA SK SMA N	support for soldering fixture (works with W58 and W442)				

H+S type	Item no.	W-no.	for series	Description	Tool set 74 Z-0-0-			
					70	71	72	
74_Z-0-0-375	23022145	W375	BMA SK SMA N	soldering fixture for centre contacts (works with W374)				
74_Z-0-0-441	23024586	W441	BMA SK SMA N	collecting tank for coolant or flux (works with W374)				
74_Z-0-0-442	23024588	W442	BMA SK SMA N	soldering fixture (works with W374)				
74_Z-0-0-443	23024584	W443	BMA SK SMA N	for positioning locator tools (works with W442)				
74_Z-0-3-2	22543148	W3-2	SMA N	stripping gauge for in- sulation EZ 141	●	●		
74_Z-0-3-4	22543150	W3-4	N	trim tool for EZ 141		●		

ASSEMBLY TOOLS FOR BMA CONNECTORS WITH HERMETIC SEAL

H+S type	Item no.	W-no.	Description	
74_Z-0-0-211	22645591		soldering fixture for hermetic seal (12_BMA-50-0-3 and 22_BMA-50-0-3)	
74_Z-0-0-214	22645579		torque wrench (box spanner) torque 2.00 Nm, 8 mm hex.	
74_Z-0-0-215	22645580		screw driver for 12_BMA-50-0-3 to use with 74_Z-0-0-214	

ASSEMBLY TOOLS FOR SK CONNECTORS

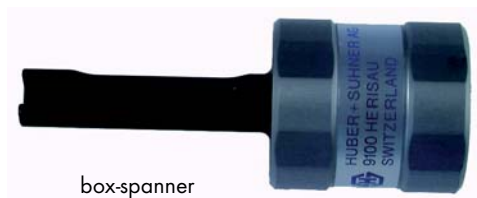
H+S type	Item no.	W-no.	Description	
74_Z-0-0-226	22646136	W226	soldering fixture for glass bead	
74_Z-0-0-227	22646137	W227	soldering fixture for glass bead	
74_Z-0-0-228	22646138	W228	assembling tool for dielectric bead	
74_Z-0-0-230	22646130	W230	step drill (only if sliding contacts are not used)	
74_Z-0-0-235	22646135	W235	step drill (only if sliding contacts are used)	

SPANNERS



H+S type	Item no.	Opening
74_Z-0-0-1	22543111	3/8"
74_Z-0-0-2	22543112	11.0 mm / .433 in.
74_Z-0-0-3	22543113	16.0 mm / .630 in.
74_Z-0-0-16	22543126	8.0 mm / .315 in.
74_Z-0-0-17	22644234	1/4" (6.35 mm / .250 in.)
74_Z-0-0-18	22543127	9.0 mm / .354 in.
74_Z-0-0-19	22543128	5.5 mm / .217 in.
74_Z-0-0-37	22543732	13.0 mm / .512 in.
74_Z-0-0-38	22543733	7.0 mm / .276 in.

TORQUE WRENCHES



H+S type	Item no.	for series	Torque	Opening	Notes
74_Z-0-0-21	22543130	SMA / PC 3.5	1.00 Nm	8.0 mm/.315 in.	standard style
74_Z-0-0-45	22544232	SMC	0.35 Nm	6.0 mm/.236 in.	standard style
74_Z-0-0-77	22544820	SMA	1.00 Nm	8.0 mm/.315 in.	box-spanner
74_Z-0-0-78	22641379	SMA economic	0.45 Nm	8.0 mm/.315 in.	box-spanner
74_Z-0-0-79	22642374	SMA economic	0.45 Nm	8.0 mm/.315 in.	standard style
74_Z-0-0-80	22544821	SMA hermetic	1.95 Nm	7.0 mm/.276 in.	standard style
74_Z-0-0-147	22644235	SMC	0.35 Nm	6.0 mm/.236 in.	box-spanner
74_Z-0-0-174	22643898	SK	1.30 Nm	8.0 mm/.315 in.	standard style
74_Z-0-0-189	22644368	SK hermetic	2.00 Nm	8.0 mm/.315 in.	standard style
74_Z-0-0-192	22645084	TNC	1.00 Nm	15.0 mm/.591 in.	standard style
74_Z-0-0-193	22645085	N	1.00 Nm	20.0 mm/.787 in.	standard style
74_Z-0-0-321	22651994	N	1.00 Nm	19.0 mm/.748 in.	standard style
74_Z-0-0-373	23021864	TNC	1.00 Nm	14.0 mm/.551 in.	standard style

COMBINATION TOOL FOR MMBX/MMCX/MCX-RIGHT ANGLE CONNECTORS

for protective cap mounting and decoupling



H+S type	Item no.	Description
74_Z-0-0-30	22543139	assembly tool for 16_MCX and MMBX right angle connectors (decoupling and cap mounting)
74_Z-0-0-225	22645861	16_MMCX-50-1-1, 16_MMCX-50-1-2, 16_MMCX-50-2-1 (decoupling and cap mounting)
74_Z-0-0-272	22648614	all 11_MMCX- and 16_MMCX-connectors (decoupling and cap mounting)
74_Z-0-0-276	22648710	decoupling tool for bulkhead jacks (MCX 75 Ω)
74_Z-0-0-350	23004135	removal tool (16_MMCX)

SPECIAL TOOLS FOR QMA CONNECTORS

decoupling tool for high density applications



H+S type	Item no.	W-no.	Description
74_Z-0-0-459	84032400	W459	decoupling tool for high density application (for QMA and QN)

assembly tool



H+S type	Item no.	W-no.	for series	Description
74_Z-0-0-360	23023444	W360	QMA	locator tools for QMA connectors (suitable for semi-rigid cables)

SPECIAL TOOLS FOR QN CONNECTORS

decoupling tool



H+S type	Item no.	W-no.	for series	Description
74_Z-0-0-459	84032400	W459	QN / QMA	decoupling tool for high density application

locator tool



H+S type	Item no.	W-no.	for series	Description
74_Z-0-0-390	23035218	W390	QN	locator tool for 11 QN and 16 QN connectors (works with W58 and W442)

locator tool



H+S type	Item no.	W-no.	for series	Description
74_Z-0-0-391	23035220	W391	QN	locator tool for 24 QN connectors (works with W58 and W442)

decoupling tool for MMPX



H+S type	Item no.	W-no.	for series	Description
74_Z-0-0-555_—_E	84020011	W555	MMPX	decoupling tool (distance washers included)
74_Z-0-0-556_—_E	84031617	W556	MMPX	distance washers (for replacement)

TAP DRILL



H+S type	Item no.	Thread
74_Z-0-0-24	22543133	1/4-36 UNS-2B
74_Z-0-0-82	22643835	3/8-32 UNEF-2B
74_Z-0-0-229	22646139	1/4-36 UNS (for blind hole threads)
74_Z-0-0-236	22646069	2-56 UNC
74_Z-0-0-237	22646070	10-56 UNS
74_Z-0-0-238	22646071	5/8-24 UNEF

VARIOUS TOOLS



H+S type	Item no.	Description
74_Z-0-0-12	22642718	small saw
74_Z-0-0-13	22644241	replacement saw blade for 74 Z-0-0-12
74_Z-0-0-25	22543134	face spanner for fastening nut (22 + 24 QLA)
74_Z-0-0-89	22644721	screw driver for female centre contacts (Series 7/16)
74_Z-0-0-115	22642492	syringe for casting compound
74_Z-0-0-116	22642493	casting compound (resin 6.75 cm ³ and accelerator 3.0 cm ³), 2 containers
74_Z-0-0-177	22644541	cover insertion tool for 16 SMB/C/S connectors

TOOLS FOR HUBER+SUHNER QUICK-FIT® CONNECTORS

cable stripping tools for easy cable preparation
in one single operation
(can be used manually or with electrical power tool)



H+S type	Item no.	Cable type	Assembly instructions
74_Z-0-8-15	23000296	3/8": Andrew LDF 2-50	0000180713
74_Z-0-9-15	23001006	1/2" Highflex: SUCOFEED®, Andrew, NK cables, RFS (Kabelmetal)	0000179418/ 0000201603
74_Z-0-12-15	23000319	1/2": SUCOFEED®, Andrew, NK cables, RFS (Kabelmetal)	0000179113
74_Z-0-23-16	23007928	7/8": SUCOFEED®, Andrew, NK cables, RFS (Kabelmetal) 7/8" Highflex: SUCOFEED®, Andrew	0000180164/ 0000201645 0000233737
74_Z-0-23-17	84017918	7/8" Low attenuation: SUCOFEED®, Andrew	0000243692/0000236366
74_Z-0-32-14	23010533	1 1/4": SUCOFEED®, Andrew, NK cables, RFS (Kabelmetal)	0000179128
74_Z-0-42-14	23010534	1 5/8": SUCOFEED®, Andrew, NK cables, RFS (Kabelmetal)	0000179128

HUBER+SUHNER® QUICK-FIT installation kit

Tool kit for all QUICK-FIT Connectors
(with additional space for other auxiliary tools and spare parts)

Stripping tools can be accomodated but are not included



H+S type	Item no.	Description	Content	Size
74_Z-0-0-600	23002174	tool box	all tools of the following table marked with *	620×430×140 mm/ 24.4×17×1.5 in.

Overview necessary tools for the assembly of QUICK-FIT connectors

H+S type	Item no.	Part description	Corrugated copper tube cables							
			$\frac{3}{8}$ " LFD 2-50	$\frac{1}{2}$ " HF	$\frac{1}{2}$ "	$\frac{7}{8}$ "	$\frac{7}{8}$ " HF	$\frac{7}{8}$ " LA	1 $\frac{1}{4}$ "	1 $\frac{5}{8}$ "
74_Z-0-8-15	23000296	stripping tool ($\frac{3}{8}$ " LFD 2-50)	X							
74_Z-0-9-15	23001006	stripping tool ($\frac{1}{2}$ " HF)		X						
74_Z-0-12-15	23000319	stripping tool ($\frac{1}{2}$ "			X					
74_Z-0-23-16	23007928	stripping tool ($\frac{7}{8}$ " + $\frac{7}{8}$ " HF)				optional	optional			
74_Z-0-23-17	84017918	stripping tool ($\frac{7}{8}$ " LA)						optional		
74_Z-0-32-14	23010533	stripping tool (1 $\frac{1}{4}$ "							optional	
74_Z-0-42-14	23010534	stripping tool (1 $\frac{5}{8}$ "								optional
74_Z-0-0-359	23014976	handle (for stripping tools)	X ⁴⁾	X ⁴⁾	X ⁴⁾	optional	optional	optional	optional	optional
74_Z-0-0-402	22652193	* abrasive paper 320	X	X	X					
74_Z-0-0-424	23001952	* spanner AF 17 mm	X							
74_Z-0-0-425	23001953	* spanner AF 18 mm	X							
74_Z-0-0-426	23001954	* spanner AF 19 mm	X							
74_Z-0-0-427	23001955	* spanner AF 21 mm	X	X						
74_Z-0-0-428	23001956	* spanner AF 22 mm		X	X					
74_Z-0-0-429	23001957	* spanner AF 24 mm			X					
74_Z-0-0-430	23001958	* spanner AF 30 mm				X	X	X		
74_Z-0-0-431	23001959	* spanner AF 36 mm				X	X	X		
74_Z-0-0-415	22652206	* counter sink				X ¹⁾	X ¹⁾	X ¹⁾	X ¹⁾	X ¹⁾
74_Z-0-0-418	22652209	* Stanley knife	X	X	X	X	X	X	X	X
74_Z-0-0-420	22652211	* steel brush			X	X	X	X	X	X
74_Z-0-0-422	22652213	* steel measure 200 mm	X ²⁾	X ²⁾	X ²⁾	X ²⁾	X ²⁾	X ²⁾	X ²⁾	X ²⁾
74_Z-0-0-432	23002005	* screw driver (2)	X		X					
74_Z-0-0-433	23002007	* screw driver (4)				X	X	X	X	X
74_Z-0-0-12	22642718	small metal saw	X	X	X	X	X	X	X	X
74_Z-0-0-434	23002166	monkey wrench ³⁾ (min.65mm)							X	X
		small file	X ²⁾	X ²⁾	X ²⁾					

* = tools included in the HUBER+SUHNER QUICK-FIT installation kit 74_Z-0-0-600, (can be ordered with item no. 23002174)

1) for assembly use either the Stanley knife or the counter sink

2) only necessary without HUBER+SUHNER stripping tool

3) 2 wrenches are needed for assembling

4) handle included in QUICK-FIT stripping tool delivery

Spare parts for QUICK-FIT cable stripping tools



H+S type	Item no.	Description	Application	Function
74_Z-0-0-346	23000936	blade	74_Z-0-8-15 74_Z-0-8-16 74_Z-0-9-15 74_Z-0-12-15	stripping jacket
74_Z-0-0-347	23000937	blade	74_Z-0-8-15 74_Z-0-8-16 74_Z-0-12-15	cutting corrugated copper tube
74_Z-0-0-348	23000938	triangle knife	74_Z-0-8-15 74_Z-0-8-16 74_Z-0-9-15 74_Z-0-12-15	deburring inner conductor
74_Z-0-0-349	23001008	blade	74_Z-0-9-15	cutting corrugated copper tube
74_Z-0-0-297	22650531	blade	74_Z-0-23-16 74_Z-0-23-17	cutting corrugated copper, foam and inner conductor
74_Z-0-0-355	23008264	blade	74_Z-0-23-16 74_Z-0-32-14 74_Z-0-32-17	stripping jacket
74_Z-0-0-356	23010537	blade	74_Z-0-42-14	stripping jacket

Additional tools for HUBER+SUHNER® QUICK-FIT cable stripping tools

H+S type	Item no.	Tool description	Function
74_Z-0-0-416	22652207	* allen wrench AF 2.5 mm/.098 in.	spare blades for the stripping tools 74_Z-0-8-15, 74_Z-0-8-16, 74_Z-0-9-15, 74_Z-0-12-15, 74_Z-0-23-16, 74_Z-0-23-17, 74_Z-0-32-14 and 74_Z-0-42-14
74_Z-0-0-423	23000311	* allen wrench AF 4 mm/.157 in.	for removing the BIT adaptor
74_Z-0-0-421	22652212	* screwdriver, Torx 1 (Torx T7)	for changing the triangle knife 74_Z-0-0-348

* = not included in the HUBER+SUHNER QUICK-FIT installation kit 74_Z-0-0-600