

ELPARTS

INSTALLATION Connectors | Attachment parts | Cable straps | Gaskets+Grommets |
Insulating tape | Hoses+Pipes | Cables+Cable connections | Battery accessories | Plug housings |
Fuses | Plugs+Sockets | Assortments



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Assortments



Passt immer!

HERTH+BUSS



Miscellaneous parts – Clear overview, quick delivery

We are renowned for our ingenious repair solutions and now also supply many of our products in handy assortment boxes.

We also offer a practical storage system for many of our assortment boxes in the form of a support frame. This support frame, also known as the HandyBox, has an ergonomic carrying handle. The assortment boxes are prevented from slipping out by the secure locking mechanism. Multiple boxes can also be connected with each other. The storage boxes aren't just ideally suited to being carried in service vehicles for field work. One or more HandyBoxes will surely find their rightful place in the workshop

thanks to the inclusion of a clever wall mount. The HandyBoxes are available on their own or pre-equipped with four assortment boxes.

Frame, assortment box

HandyBox

Article number: 99994532/-533



**Assortment, repair cable
RepLine**

Article number: 54277001



**Assortment, cable repair set
RepCon**

Article number: 54277050, 54277010,
54277020, 54277030, 54277040



Assortment, crimp connectors

Article number:
54254149, 54254161, 54254162



Assortment, plug housings

Article number:
54290150, 54290200, 54290600
54290300, 54290010



Assortment, fasteners

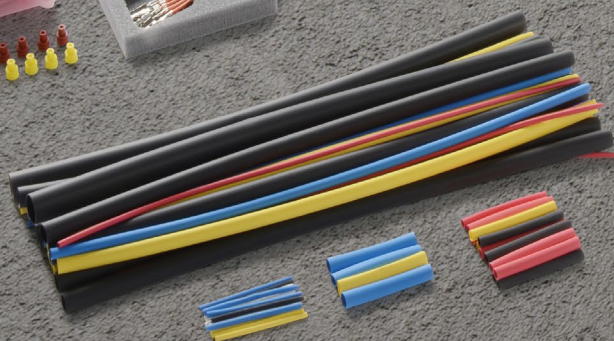
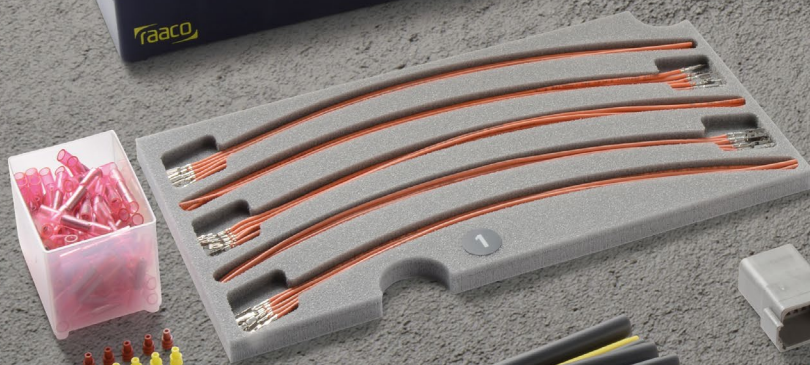
Article number:
54267001/-002, 54267003, 54267010



Assortment, squeeze connectors

Article number:
54254152, 54254120







Assortments

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Assortment, crimp connectors

Assortment, crimp connectors

Restriction: AMP Tyco CI 2
AMP Tyco JT
AMP Tyco Mate-N-Lok
AMP Tyco RK 2,5
GHW RSA 2
Info: with crimping pliers



		Qty	DU	Article no.
		806	1	54254149
Content	Cross Section mm²	QU		
Assortment Box		1	99994523	
Cable Connector		2	50290056010	
Crimp Connector	0,5 to 1	50	50251232	
Crimp Connector JT (TE Connectivity)	0,5 to 1,5	50	50251813	
Crimp Connector Mate-N-Lok Universal (TE Connectivity)	0,5 to 2,0	50	50251828	
	0,5 to 2,1	50	50251829	
Crimp Connector	0,75 to 2,5	50	50251234	
Crimp Connector RK 2,5 (TE Connectivity)	1 to 2,5	50	50251870	
		50	50251814	
Crimp Connector JT (TE Connectivity)	1,5 to 2,5	50	50251222	
		50	50251418	
		50	50251521	
		50	50251522	
		50	50251830	
Crimp Connector RSA 2 CI 2 (Lear TE Connectivity)		50	50251831	
Crimp Connector CI 2 RSA 2 (TE Connectivity Lear)		50	50251868	
Crimp Connector RK 2,5 (TE Connectivity)		50	50251868	
Crimping Pliers		1	90942041	
Plug Connector	1,5	100	50251562	
		100	50251561	
		25	50251561010	
		25	50251562010	
Plug Distributor		50	50251226066	
Universal Container		18	99994524	
Accessories		see	DU	
Frame, assortment box HandyBox		Page 72	1	99994532



Assortment, crimp connectors

Restriction:

- AMP Tyco JPT
- AMP Tyco JT
- AMP Tyco Mate-N-Lok
- AMP Tyco MT I
- AMP Tyco MT II
- AMP Tyco RK 2,5
- AMP Tyco SPT
- AMP Tyco ST
- GHW DFK 2
- GHW GSK
- GHW MDK 5
- GHW RSA 2
- KOSTAL LKS 1,5
- KOSTAL MLK 1,2 ELA-U
- KOSTAL MLK 1,2Sm ELA
- KOSTAL SLK 2,8 ELA
- KOSTAL SLK 2,8



		Qty	DU	Article no.
		750	1	54254161
Content	Cross Section mm ²	Colour	QU	
Assortment Box			1	99994507
Contact Pin			25	50253293
Contact Sleeve (KOSTAL LKS 1,5)	0,5 to 0,75		25	50253277
Crimp Connector (KOSTAL MLK 1,2Sm ELA)	0,35		25	50253463
Crimp Connector (KOSTAL MLK 1,2 ELA-U)	0,35 to 0,5		25	50253386
Crimp Connector MDK 5 (Lear)	0,5 to 1		25	50251876
Crimp Connector SPT (TE Connectivity)			25	50251827
Crimp Connector MT I (TE Connectivity)			25	50253310
Crimp Connector MT II (TE Connectivity)			25	50253311
Crimp Connector MT II MCP 1,5 (TE Connectivity)			25	50253312
Crimp Connector JPT AFK 2.8 (TE Connectivity)			25	50251826
Crimp Connector JPT MCP 2,8 AFS 2.8 (TE Connectivity)			25	50253315
Crimp Connector JT (TE Connectivity)	0,5 to 1,5		25	50251813
Crimp Connector (KOSTAL MLK 1,2Sm ELA)	0,75 to 1		25	50253465
Crimp Connector (KOSTAL MLK 1,2 ELA-U)			25	50253535
Crimp Connector RK 2,5 (TE Connectivity)	1 to 2,5		25	50251870
Crimp Connector JT (TE Connectivity)			25	50251814
Crimp Connector (KOSTAL SLK 2,8)	1,5		25	50253250
			25	50253234
Crimp Connector (KOSTAL SLK 2,8 ELA)			25	50253238
			25	50253254
Crimp Connector SPT MCP 6,3 MCP 4,8 (TE Connectivity)	1,5 to 2,5		25	50253320
Crimp Connector ST (TE Connectivity)			25	50251819
Crimp Connector SPT (TE Connectivity)			25	50251857
Crimp Connector RK 2,5 (TE Connectivity)			25	50251868
Crimp Connector Mate-N-Lok Universal (TE Connectivity)			25	50251836
			25	50251835
Crimp Connector DFK 2 (Lear)			25	50251873
Crimp Connector GSK (Lear)			25	50251470
Sealing-/Protection Plugs	0,22 to 1	Yellow	25	50282021
	1,5 to 2,5	Brown	25	50282023
Accessories		see	DU	
Frame, assortment box HandyBox		Page 72	1	99994532
Crimping Pliers		Katalog08	1	90942242



Assortment, crimp connectors

Restriction: BMW
Mercedes-Benz
Opel
VAG
Renault
Info: with gaskets/seals



	Qty	DU	Article no.
	900	1	54254162
Content	Cross Section mm²	QU	
Assortment Box		1	99994507
Crimp Connector MCP 1,5 MT II (TE Connectivity)	0,2 to 0,5	25	50251464
Crimp Connector MQS (TE Connectivity)	0,5 to 0,75	25	50251480
Crimp Connector (KOSTAL MLK 1,2 ELA-U)		25	50253394
Crimp Connector MQS (TE Connectivity)		25	50251476
Crimp Connector MCP 1,5 MT II (TE Connectivity)	0,5 to 1	25	50251468
		25	50251465
Crimp Connector MCP 1,5 (TE Connectivity)		25	50251462
Crimp Connector MT II (TE Connectivity)		25	50251902
Crimp Connector MT I (TE Connectivity)		25	50253310
Crimp Connector MPQ 2,8 (TE Connectivity)		25	50251493
		25	50251495
Crimp Connector MKR PLUS (Lear)		25	50251504
Crimp Connector VKR PLUS (Lear)		25	50251506
Crimp Connector (KOSTAL MLK 1,2 ELA-U)	0,75 to 1	25	50253535
Crimp Connector MCP 6,3 MCP 4,8 (TE Connectivity)	1 to 2,5	25	50251491
Crimp Connector MCP 2,8 (TE Connectivity)		25	50251486
Crimp Connector JPT MCP 2,8 (TE Connectivity)	1,25 to 2,5	25	50251897
Crimp Connector (KOSTAL SLK 2,8 ELA)	1,5	25	50253238
		25	50253254
Crimp Connector ST (TE Connectivity)	1,5 to 2,5	25	50251819
Crimp Connector SPT (TE Connectivity)		25	50251857
Crimp Connector MCP 2,8 (TE Connectivity)		25	50251484
Crimp Connector JPT (TE Connectivity)		25	50251900
Crimp Connector DFK 2 (Lear)		25	50251873
Sealing-/Protection Plugs	0,22 to 1	50	50282021
		50	50282028
	0,35 to 1	50	50282080
	0,5 to 1	50	50282014
	1,5 to 2,5	50	50282044
		50	50282023
Accessories	see	DU	
Frame, assortment box HandyBox	Page 72	1	99994532
Crimping Pliers	Katalog08	1	90942242

Assortment, squeeze connectors

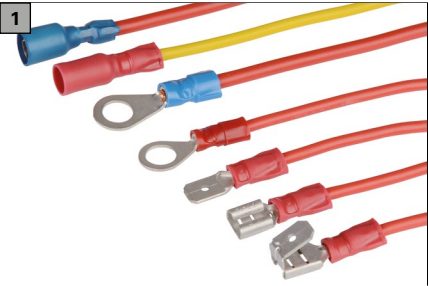


Assortment, squeeze connectors

- Plug Type:**
- Blade Terminal
 - Blade Terminal Sleeve
 - Round Plug
 - Round Connector Sleeve
 - Ring Connector
 - Plug Terminal
- Info:**
- with crimping pliers

This 450-part product range contains the most common insulated crimp connectors in accordance with DIN 46245 and ring connectors in accordance with DIN 46237. High-quality pliers have also been included in the product range for processing the connectors included.

All the connectors included can be reordered separately if necessary. For this purpose, the article numbers were added to the product range as inlays. The refill packs fit into the respective compartment in the box.



				Qty	DU	Article no.
				450	1	54254152
Content		Diameter mm	Cross Section mm²	QU		
Assortment Box				1		99994523
Squeeze Connector	4	1,5 to 2,5		25		50252123066
			0,5 to 1	25		50252532066
				25		50252530066
	5	1,5 to 2,5		25		50252531066
				25		50252533066
				25		50252519
	2,8	0,5 to 1		25		50252501
				25		50252506
				25		50252550066
	4,8			25		50252510
				25		50252520
				25		50254210066
	6,3			25		50254211066
				25		50252511066
				25		50252551066
		1,5 to 2,5		25		50252521066
				25		50252521066
				25		50252521066
Squeeze Pliers			0,5 to 6	1		95942260
Accessories				see	DU	
Frame, assortment box HandyBox				Page 72	1	99994532



Assortment, squeeze connectors

Plug Type: Butt Joint
Ring Connector
Info: with crimping pliers



This range includes the most common butt connectors (DIN 46341-1B) and tubular cable lugs with a ring terminal (similar to DIN

13600). A pair of premium pliers (with 'W' crimp) has also been added to the range for processing cable cross sections up to 16 mm².

	Qty	DU	Article no.
	290	1	54254120
Content	Cross Section mm ²	QU	
Assortment Box		1	99994523
Squeeze Connector	0,5 to 1	25	50251030
	0,75	25	50251604
	1,5	25	50251614
		25	50251616
	1,5 to 2,5	25	50251032
	10	10	50251035
		10	50251674
		10	50251675
	16	5	50251679
		5	50251680
		10	50251036
	2,5	25	50251626
		25	50251628
	4	10	50251646
		10	50251648
Squeeze Pliers	4 to 6	25	50251034
	6	10	50251666
		10	50251668
		1	95942059
Accessories	see	DU	
Frame, assortment box HandyBox	Page 72	1	99994532

Assortment, squeeze connectors

Plug Type: Ring Connector
T-Union
Round Connector Sleeve
Round Plug
Blade Terminal Sleeve
Blade Terminal
Plug Terminal



All the parts included can be reordered separately if necessary. For this purpose, the article numbers were added to the product range as

inlays. The refill packs fit into the respective compartment in the box.

	Qty	DU	Article no.
	295	1	54254113
Content	Cross Section mm ²	QU	
Assortment Box		1	99994509
Cable Connector		20	50252569066
Plug Distributor		25	50251226066
Squeeze Connector	0,5 to 1	25	50252530066
		25	50252501066
		25	50252510066
		25	50252532066
	1,5 to 2,5	25	50252533066
		25	50252551066
		25	50252511066
		25	50252521066
		25	50252531066
		25	50252123066

Assortment, squeeze connectors

- Plug Type:
- Ring Connector
 - T-Union
 - Butt Joint
 - Round Connector Sleeve
 - Blade Terminal Sleeve
 - Round Plug
 - Plug Terminal



All the parts included can be reordered separately if necessary. For this purpose, the article numbers were added to the product range as inlays. The refill packs fit into the respective compartment in the box.

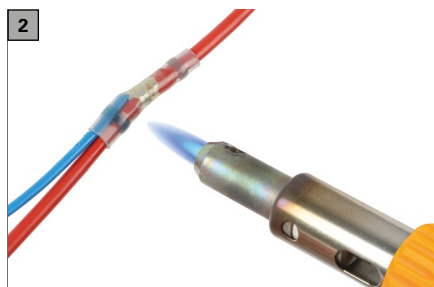
	Qty	DU	Article no.
	420	1	54254110
Content	Cross Section mm²	QU	
Assortment Box		1	99994509
Cable Connector		10	50252568066
		10	50252569066
Squeeze Connector	0,5 to 1	25	50252540066
		25	50252112066
		25	50252113066
		25	50252114066
		25	50252500066
		25	50252510066
	1,5 to 2,5	25	50252511066
		25	50252121066
		25	50252122066
		25	50252123066
		25	50252541066
		25	50252551066
		25	50252531066
		25	50252533066
		25	50254211066
		25	50252512066
		25	50252512066
		25	50252512066
	4 to 6	25	50252512066



Assortment, squeeze connectors

Plug Type:

T-Union
Butt Joint
Shrink Connector



This range contains 190 connectors for processing cable cross-sections from 0.1 - 6 mm². Depending on the application and the requirements for the connection (e.g. tightness), you can choose between different connector types. Whether uninsulated, insulated or with heat

shrink tubing, every type of butt connector is included here. For processing with a hot air gun, solder connectors are also included, which can be used as butt and branch connectors. The refill packs fit into the respective compartment in the box.

				Qty	DU	Article no.
				190	1	54254111
Content	Length 1/2 mm	Cross Section mm ²	Colour	QU		
Soldered Connector Solder Sleeve		0,1 to 0,5		20		50252639066
		0,8 to 2		20		50252640066
		1 to 3		10		50252643
		2 to 4		10		50252641066
		2,8 to 6,7		5		50252645
		to 4,8		10		50252644
Squeeze Connector Crimpseal II		0,1 to 0,5		10		50252555066
Squeeze Connector		0,5 to 1		20		50251030
Squeeze Connector Crimpseal II		0,5 to 1,5		10		50252552066
		1,5 to 2,5		10		50252553066
Squeeze Connector				20		50251032
Squeeze Connector Crimpseal II		3 to 6		10		50252554066
Squeeze Connector		4 to 6		15		50251034
	15 / 25	0,5 to 1		10		50252540066
		1,5 to 2,5		10		50252541066
	15 / 27	4 to 6		5		50252543066
Accessories			see	DU		
Hot Air Dryer HeatGun			Katalog08	1		95920000
Gas Soldering Torch			Katalog84	1		95921000
Squeeze Pliers			Katalog81	1		95942059
			Katalog81	1		90942260

Assortment, squeeze connectors

Info:

with crimping pliers
with needle nose pliers
with screwdriver
with voltage tester
with squeeze connector
with isolation tape
with pipe



				DU	Article no.
				1	54254138
Content	Cross Section mm ²	QU			
Squeeze Connector	0,5 to 1	10			50252112
		5			50252510
		10			50252540
	1,5 to 2,5	10			50252541
		5			50252511
		10			50252122

Assortment, squeeze connectors

DIN/ISO: 46228
Material: Copper
Surface: Tin-plated
Plug Type: Wire End Ferrule



			Qty	DU	Article no.
			250	1	54254700
Content	Diameter 1/2 mm	Cross Section mm²	QU		
Squeeze Connector	1,7 / 2,5	1	50	50251710	
	2 / 2,8	1,5	50	50251715	
	2,6 / 3,4	2,5	50	50251725	
	3,2 / 4	4	50	50251740	
	3,9 / 4,7	6	50	50251760	
Accessories		Cross Section mm²	see	DU	
Squeeze Pliers		0,08 to 16	Katalog08	1	95942365

Assortment, squeeze connectors

Material: Copper
Surface: Tin-plated
Plug Type: Wire End Ferrule



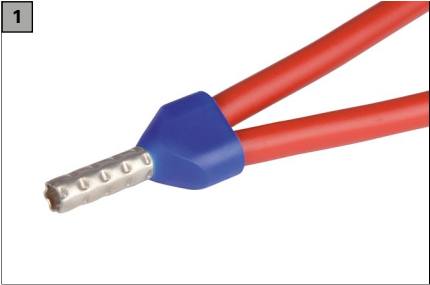
This product range includes 550 ferrules in sizes from 0.5 to 6 mm². The refill packs fit into the respective compartment in the product range.

					Qty	DU	Article no.
					550	1	54254170
Content	Length 1/2 mm	Cross Section mm²	Diameter 1/2 mm	Colour	QU		
Squeeze Connector	14 / 8	0,5	1 / 2,6		100	50252170	
		0,75	1,2 / 2,8		100	50252171	
		1	1,4 / 3		100	50252172	
		1,5	1,7 / 3,5		100	50252173	
	15 / 8	2,5	2,2 / 4,2		50	50252174050	
	17 / 10	4	2,8 / 4,8		50	50252175050	
	20 / 12	6	3,5 / 6,3		50	50252176050	
Accessories			Cross Section mm²	see	DU		
Squeeze Pliers			0,08 to 16	Katalog08	1	95942365	



Assortment, squeeze connectors

Material: Copper
Surface: Tin-plated
Plug Type: Wire End Ferrule



This product range includes 400 duo ferrules in sizes from 0.5 to 6 mm². The ferrules are designed for assembly with two cables each.

The refill packs fit into the respective compartment in the product range.

					Qty	DU	Article no.
					400	1	54254180
Content	Length 1/2 mm	Cross Section mm²	Diameter 1/2 mm	Colour	QU		
Squeeze Connector	14,5 / 8	0,5	1,5 / 1,8	○	100		50252180
	14,7 / 8	0,75	1,8 / 2,1	●	100		50252181
	15,1 / 8	1	2,1 / 2,4	●	50		50252182
	15,5 / 8	1,5	2,3 / 2,6	●	50		50252183
	18,5 / 10	2,5	2,9 / 3,3	●	50		50252184
	23,1 / 12	4	3,8 / 4,2	●	20		50252185
	26,1 / 14	6	4,9 / 5,3	●	30		50252186
Accessories			Cross Section mm²	see	DU		
Squeeze Pliers			0,08 to 16	Katalog08	1		95942365



Assortment, solder connections

Assortment, solder connections

Plug Type: Ring Connector
DIN/ISO: 46211 A
Material: Brass
Surface: Galvanized



				Qty	DU	Article no.
				62	1	54250001
Content	Cross Section mm ²	Bore Ø mm	Length 1/2 mm	QU		
Assortment Box				1	99994508	
Soldered Connector	10 to 16	6,5	24 / 11,6	10	50250165	
		8,4	27 / 11,6	10	50250166	
		10,5	29 / 11,6	10	50250167	
	16 to 35	8,4	30 / 13,8	10	50250256	
		10,5	32 / 13,8	4	50250257	
	25 to 50	8,4	33 / 16,4	4	50250355	
		10,5	35 / 16,4	4	50250356	
	6 to 10	6,5	21 / 10,2	10	50250111	

Assortment, plug housings

HDSCS

Assortment, plug housings

Restriction:
Inspection Tag:
IP-Code:
Temperature range:
Info:

TE Connectivity
UL94 V0
IP 67
-40 to +140 °C
with gaskets/seals
with crimp connector



This assortment includes 3 to 16 pole HDSCS Series receptacles and connector housings used in construction, agricultural and truck applications (e.g. DAF, Iveco, MAN, Mercedes-Benz, Scania and Volvo). The parts included

can be ordered separately if required. The part numbers are listed in the insert. The refill packs fit into their respective compartments in the box.

			Qty	DU	Article no.
			 335	1	54290700
Content	Number of Poles	Cross Section mm²	QU		
Crimp Connector MCP 1,5 (TE Connectivity)		0,5 to 1	50	50251462	
Crimp Connector MCP 1,5 MT II (TE Connectivity)			50	50251468	
Crimp Connector MCP 2,8 (TE Connectivity)			50	50251485	
Crimp Connector JPT MCP 2,8 (TE Connectivity)			50	50251896	
Crimp Connector MCP 2,8 (TE Connectivity)		1 to 2,5	50	50251486	
Crimp Connector JPT MCP 2,8 (TE Connectivity)		1,25 to 2,5	50	50251897	
Plug Housing HDSCS (TE Connectivity)	3		1	50390731001	
			1	50391153	
	4		1	50390738001	
			1	50391158	
	6		1	50390732001	
			1	50391154	
	7		1	50390735001	
			1	50391157	
	8		1	50390733001	
			1	50391324	
			1	50390740001	
	10		1	50391159	
			1	50390736001	
	12		1	50391325	
			1	50391156	
	16		1	50391326	
			1	50391327	
Sealing-/Protection Plugs			50	50282041	
			50	50282043	
		0,5 to 0,75	50	50282040	
		0,5 to 1,5	50	50282081	
		1 to 2,5	50	50282062	
Secondary Lock, plug housing HDSCS (TE Connectivity)			1	50391328	
			1	50391329	
			1	50391330	



Superseal

Assortment, plug housings

Restriction: TE Connectivity
DIN/ISO: 40050
IP-Code: IP 67
Info: with gaskets/seals
with crimp connector



The plug housing sets from the Superseal range were developed to meet the increased requirements with regard to water-tightness and reliability. The Superseal 1.5 range complies with the regulations of IEC 529 and DIN/ISO 40050 IP 67 and is therefore suitable for

use in the automobile industry, agriculture and the engineering industry. This system is also suitable for use on sensors. The 1 to 4 pin plug housings included in the assortment are resistant to ozone, salts, petrol, diesel, brake fluid and engine oil.

			Qty	DU	Article no.
			314	1	54290050
Content	Number of Poles	Cross Section mm²	QU		
Assortment Box			1	99994509	
Crimp Connector Superseal (TE Connectivity)		0,75 to 1,5	60	50253326	
			60	50253327	
Plug Housing Superseal (TE Connectivity)	1		6	50290825010	
			6	50290835010	
	2		8	50290836010	
			8	50290826010	
	3		4	50290827005	
			4	50290837005	
	4		4	50290838005	
			4	50290828005	
Sealing-/Protection Plugs			50	50282049	
		1 to 1,5	100	50282048	
Accessories	Number of Poles	see	DU		
Crimping Pliers CrimPro 30		Katalog08	1	95942166	
		Katalog08	1	95942164	
Crimping Pliers Insert (AMP Tyco Superseal)		Katalog08	1	95942189	
Plug Connector Superseal	2	Katalog04	10	50281056	
	3	Katalog04	10	50281057	
	4	Katalog04	10	50281058	
	5				
Release Tool, flat-/round plug (AMP Tyco Superseal)		Katalog08	1	95945376	
Release tool, housing (AMP Tyco Superseal Deutsch DT)		Katalog08	1	95945398	



Superseal

Assortment, plug housings

Restriction: TE Connectivity
DIN/ISO: 40050
IP-Code: IP 67
Info: with gaskets/seals
with crimp connector



The plug housing sets from the Superseal range were developed to meet the increased requirements with regard to water-tightness and reliability. The Superseal 1.5 range complies with the regulations of IEC 529 and DIN/ISO 40050 IP 67 and is therefore suitable for

use in the automobile industry, agriculture and the engineering industry. This system is also suitable for use on sensors. The 1 to 6 pin plug housings included in the assortment are resistant to ozone, salts, petrol, diesel, brake fluid and engine oil.

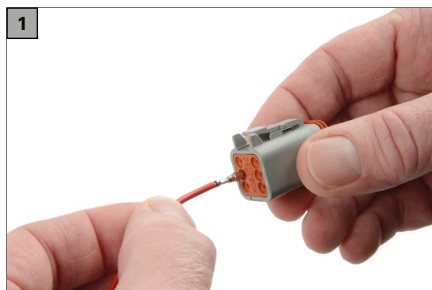
			Qty	DU	Article no.
			580	1	54290150
Content	Number of Poles	Cross Section mm ²	QU		
Assortment Box			1		99994522
Crimp Connector Superseal (TE Connectivity)		0,75 to 1,5	100		50253326
			100		50253327
Plug Housing Superseal (TE Connectivity)	1		10		50290825010
			10		50290835010
	2		10		50290836010
			10		50290826010
	3		5		50290827005
			5		50290837005
	4		5		50290838005
			5		50290828005
	5		5		50290829005
			5		50290839005
	6		5		50290840005
			5		50290830005
Sealing-/Protection Plugs			100		50282049
		1 to 1,5	200		50282048
Accessories	Number of Poles	Cross Section mm ²	see	DU	
Crimping Pliers CrimPro 30			Katalog08	1	95942164
			Katalog08	1	95942166
Crimping Pliers Insert (AMP Tyco Superseal)		0,75 1 to 1,5	Katalog08	1	95942189
Frame, assortment box HandyBox			Page 72	1	99994532
Plug Connector Superseal	2		Katalog04	10	50281056
	3		Katalog04	10	50281057
	4		Katalog04	10	50281058
	5				
Release Tool, flat-/round plug (AMP Tyco Superseal)			Katalog08	1	95945376
Release tool, housing (AMP Tyco Superseal Deutsch DT)			Katalog08	1	95945398



Deutsch DTM

Assortment, plug housings

Restriction: TE Connectivity
IP-Code: IP 68
Temperature range: -55 to +125 °C



This range brings together the connector and pin housings, as well as the corresponding contacts in the German DTM series in a transparent manner. The DTM series is a low-cost, yet slightly improved variant of the DT series, which was designed for low-current applications. The series features contacts with a pin

diameter of 1 mm, which are designed for a maximum current of 7.5 amperes (for cable cross sections of 0.5 mm²). The housings are available with the following number of pins: 2, 4, 6, 8 and 12. A fastening clip is also included in the range for fixing plug connections.

			Qty	DU	Article no.
			254	1	54290300
Content	Number of Poles	Cross Section mm²	QU		
Assortment Box			1	99994522	
Crimp Connector Deutsch DTM (TE Connectivity)		0,5	50	50253980	
			50	50253981	
Plug Housing Deutsch DTM Deutsch DT Deutsch DTP Deutsch DTHD (TE Connectivity)			20	50391025	
Plug Housing Deutsch DTM (TE Connectivity)	2		5	50391001	
			5	50391002	
	3		4	50391003	
			4	50391004	
	4		3	50391005	
			3	50391006	
	6		3	50391007	
			3	50391008	
	8		3	50391009	
			3	50391010	
	12		3	50391011	
			3	50391012	
Sealing-/Protection Plugs			50	50282100	
Secondary Lock, plug housing Deutsch DTM (TE Connectivity)	2		5	50391013	
			5	50391014	
	3		4	50391015	
			4	50391016	
	4		3	50391017	
			3	50391018	
	6		3	50391019	
			3	50391020	
	8		3	50391021	
			3	50391022	
	12		3	50391023	
				50391024	
Accessories		see	DU		
Release Tool, flat-/round plug (AMP Tyco JT AMP Tyco ST Deutsch DT Deutsch DTM)		Katalog08	1	95945379	
Crimping Pliers CrimPro 10		Katalog08	1	95942330	
		Katalog08	1	95942331	
Crimping Pliers Insert DT (Deutsch DT Deutsch DTM)		Katalog08	1	95942358	
Frame, assortment box HandvBox		Page 72	1	99994532	

Deutsch DTP

Deutsch DTHD

Assortment, plug housings

Restriction:

IP-Code:

Temperature range:

TE Connectivity

IP 68

-55 to +125 °C



This range contains the 2 and 4-pin socket and pin housings of the DTP, as well as the 1-pin housing of the DTHD series. These series are based on the strengths of the DT and DTM series, but are suitable for applications with higher currents. The series features contacts

with a pin diameter of 2.5 mm, which are designed for a maximum current of 25 amperes (for cable cross sections of 3 mm²). A fastening clip is also included in the range for fixing plug connections. The refill packs fit into the respective compartment in the product range.

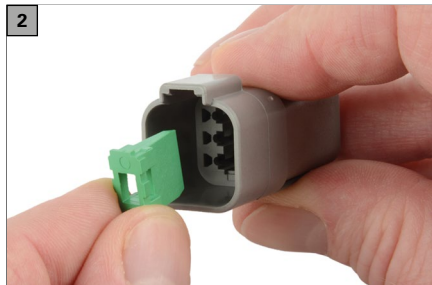
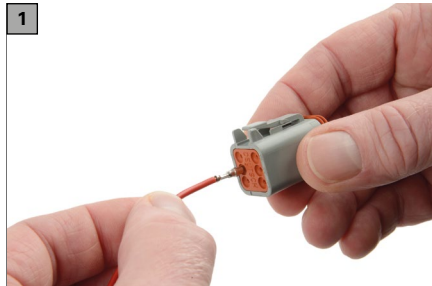
			Qty	DU	Article no.
			 82	1	54290400
Content	Number of Poles	Cross Section mm²	QU		
Assortment Box			1	99994522	
Crimp Connector Deutsch (TE Connectivity)		2 to 3	20	50253982	
			20	50253983	
Plug Housing Deutsch DTM Deutsch DT Deutsch DTP Deutsch DTHD (TE Connectivity)			3	50391025	
Plug Housing Deutsch DTHD (TE Connectivity)	1		2	50391215	
			2	50391216	
Plug Housing Deutsch DTP (TE Connectivity)	2		3	50391206	
			3	50391207	
	4		3	50391208	
			3	50391209	
			1	50391214	
Sealing-/Protection Plugs			3	50282067	
Secondary Lock, plug housing Deutsch DTP (TE Connectivity)	2		3	50391210	
			3	50391211	
	4		3	50391212	
			3	50391213	
Accessories		see	DU		
Crimping Pliers CrimPro 10		Katalog08	1	95942330	
		Katalog08	1	95942331	
Release Tool, flat-/round plug (AMP Tyco JT AMP Tyco ST Deutsch DT Deutsch DTM)		Katalog08	1	95945379	
Frame, assortment box HandyBox		Page 72	1	99994532	



Deutsch DT

Assortment, plug housings

Restriction: TE Connectivity
IP-Code: IP 68
Temperature range: -55 to +125 °C



The products in the Deutsch DT series are very robust and also work faultlessly at extreme ambient temperatures of - 55 °C to + 125 °C. The thermoplastic connector housing and the high quality silicone seals are protected against environmental influences like humidity, dirt and lubricants. The plug connectors

have an impermeable safety lock. Up to 13 amperes current load are possible per contact. In summary, the Deutsch DT series is one of the most resilient connector systems and thus optimally suited to applications under the bonnet, on the gear unit, on the chassis and in the vehicle's interior.

			Qty	DU	Article no.
			236	1	54290600
Content	Number of Poles	Cross Section mm²	QU		
Assortment Box			1		99994522
Crimp Connector Deutsch DT (TE Connectivity)		0,5 to 1,5	70		50253965
			70		50253975
Plug Housing Deutsch DT (TE Connectivity)	2		3		50390640
			3		50390590
	3		3		50390591
			3		50390641
	4		3		50390642
			3		50390592
	6		3		50390643
			3		50390495
	8		1		50390644
			1		50390593
	12		1		50390594
			1		50390645
Sealing-/Protection Plugs			40		50282067
Secondary Lock, plug housing Deutsch DT (TE Connectivity)	2		3		50390585
			3		50390646
	3		3		50390647
			3		50390586
	4		3		50390587
			3		50390648
	6		3		50390649
			3		50390496
	8		1		50390588
			1		50390650
	12		1		50390651
			1		50390589
Accessories		see	DU		
Release tool, housing (AMP Tyco Superseal Deutsch DT)		Katalog08	1		95945398
Release tool, housing		Katalog08	1		95945409
Frame, assortment box HandyBox		Page 72	1		99994532
Release Tool, flat/round plug (AMP Tyco JT AMP Tyco ST Deutsch DT Deutsch DTM)		Katalog08	1		95945379
Crimping Pliers Insert DT (Deutsch DT Deutsch DTM)		Katalog08	1		95942358
Crimping Pliers CrimPro 10		Katalog08	1		95942330
		Katalog08	1		95942331
Plug Housing Deutsch DTM Deutsch DT Deutsch DTP Deutsch DTHD (TE Connectivity)		Katalog04	10		50391025



Assortment, plug housings

Restriction:
IP-Code:
Version:

VAG
IP X7
Neutral



The plug housings for connecting flat plugs or blade receptacles in sizes 1.5 and 2.8 mm facilitate electrical connection between the cable harnesses and a variety of electronic components. A safety slider which works in both directions (even for designs with two rows) is integrated into the housing. Through simple and safe handling, this allows the secondary lock of the contacts to be realised and

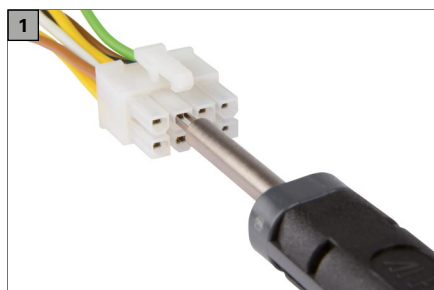
thereby also guarantees the safety of the electrical contacting. It is only possible to connect the plug if the secondary lock is active. The plug housings can be used in all areas of a vehicle (engine bay, interior, areas exposed to splash water etc.). With these housings (in a neutral version), we offer a reliable coupling connection for vehicle construction.

			Qty	DU	Article no.
			NEW 558	1	54290200
Content	Number of Poles	Cross Section mm ²	QU		
Assortment Box			1	99994522	
Crimp Connector MCP 1,5 MT II (TE Connectivity)		0,5 to 1	50	50251468	
Crimp Connector JPT MCP 2,8 (TE Connectivity)			50	50251896	
Crimp Connector MT II (TE Connectivity)			50	50251902	
Crimp Connector JPT (TE Connectivity)			50	50251899	
Plug Housing	2		10	50390662	
			10	50390663	
			10	50390670	
			10	50390671	
	4		3	50390666	
			3	50390667	
			3	50390690	
			3	50390691	
	6		1	50390672	
			1	50390673	
			1	50390674	
			1	50390675	
	8		1	50390660	
			1	50390661	
Sealing-/Protection Plugs			50	50282041	
			50	50282043	
		0,5 to 0,75	100	50282040	
		0,5 to 1,5	100	50282081	
Accessories		Cross Section mm ²	see	DU	
Crimping Pliers CrimPro 10			Katalog08	1	95942330
			Katalog08	1	95942331
Crimping Pliers CrimPro 30			Katalog08	1	95942164
			Katalog08	1	95942166
Crimping Pliers Insert (AMP Tyco MT I AMP Tyco MT II AMP Tyco JPT)		0,2 to 0,35 1,5 to 2,5 0,5 to 1	Katalog08	1	95942345
Crimping Pliers Insert (AMP Tyco JPT ELA)		0,35 0,5 to 1 1,5 to 2,5	Katalog08	1	95942193
Frame, assortment box HandyBox			Page 72	1	99994532
Release Tool, flat-/round plug (AMP Tyco JPT AMP Tyco JT AMP Tyco SPT AMP Tyco ST)			Katalog08	1	95945335
Release Tool, flat-/round plug (AMP Tyco MT I AMP Tyco MT II)			Katalog08	1	95945336
Release Tool, flat-/round plug (AMP Tyco MT II AMP Tyco MT III)			Katalog08	1	95945370
Release tool, housing (VAG FEP Opel Fiat)			Katalog08	1	95945445

VAL-U-LOK

Assortment, plug housings

Restriction: TE Connectivity



This 320-part product range contains the 2- 12-pin push-in sleeve and connector housing from the VAL-U- LOK series, which is plug-in compatible with the Mini Fit series from Molex. These are housings that are used in car hi-fi and communication areas, among other

things. All the housing and crimp connectors included can be ordered separately if necessary. For this purpose, the article numbers were added to the product range as inlays. The refill packs fit into the respective compartment in the box.

			Qty	DU	Article no.
			320	1	54290010
Content	Number of Poles	Cross Section mm²	QU		
Assortment Box			1	99994522	
Crimp Connector VAL-U-LOK (TE Connectivity)		0,35 to 1	100	50253541	
			100	50253542	
Plug Housing VAL-U-LOK (TE Connectivity)	2		10	50391050	
			10	50391060	
	4		10	50391061	
			10	50391051	
	6		10	50391052	
			10	50391062	
	8		10	50391063	
			10	50391053	
	10		10	50391054	
			10	50391064	
	12		10	50391065	
			10	50391055	
Accessories		see	DU		
Release Tool, flat-/round plug (AMP Tyco VAL-U-LOK Mo- lex MiniFit)		Katalog08	1	95945455	
Frame, assortment box HandyBox		Page 72	1	99994532	
Crimping Pliers		Katalog08	1	90942242	
Crimping Pliers Insert (AMP TYCO VAL-U-LOK)		Katalog08	1	95942368	
Crimping Pliers CrimPro 10		Katalog08	1	95942330	
		Katalog08	1	95942331	



Assortment, plug housings

Restriction:
Version:

MAN
TGA
TGL
TGM
TGS
TGX



This 241-part product range contains 6 to 21-pin receptacles and connector housings, which are used on MAN TGA, TGL, TGM, TGS and TGX model vehicles. The main focus here is on repairing various interfaces such as ZDR, ZDR-KSM and ZDR- FFR. The housing and crimp connectors included can be ordered separately if necessary. The respective article numbers can be found in the insert. The refill

packs fit into the respective compartment in the product range.

FAQ What does the abbreviation ZDR stand for? Intermediate speed control/regulator

FAQ What does the abbreviation KSM stand for? Customer-specific control module

FAQ What does the abbreviation FFR stand for? Vehicle management computer

			Qty	DU	Article no.
			NEW 241	1	54290020
Content	Number of Poles	Cross Section mm²	QU		
Assortment Box			1	99994522	
Crimp Connector JPT AFK 2.8 (TE Connectivity)		0,5 to 1	25	50251826	
Crimp Connector MDK 5 (Lear)			25	50251876	
Crimp Connector JPT MCP 2,8 AFS 2.8 (TE Connectivity)			25	50251878	
Crimp Connector FS 2.8			100	50251517	
Crimp Connector MCP 2,8 (TE Connectivity)			25	50251483	
Crimp Connector JPT AFK 2.8 (TE Connectivity)		1,25 to 2,5	25	50251871	
Crimp Connector MDK 5 (Lear)		1,5 to 2,5	25	50251875	
Crimp Connector MCP 2,8 (TE Connectivity)			25	50251484	
Plug Housing MDK 5 (Lear)	6		2	50391161	
			2	50391162	
			2	50391163	
			2	50391165	
Plug Housing FS 2.8 (Lear)			2	50391166	
			2	50391167	
			1	50391142	
			1	50391143	
Plug Housing MCP 2,8 (TE Connectivity)	18		1	50391146	
			1	50391147	
			1	50391170	
			1	50391171	
Plug Housing AFK 2.8 (Lear)			1	50391173	
			1	50391174	
Plug Housing AFS 2.8 (Lear)			1	50391174	
			1	50391174	
Plug Housing MCP 2,8 (TE Connectivity)	21		1	50391150	
			1	50391151	
Secondary Lock, plug housing FS 2.8 MDK 5 (Lear)	6		12	50391169	
Secondary Lock, plug housing MCP 2,8 (TE Connectivity)	18		2	50391152	
			2	50391175	
Secondary Lock, plug housing AFS 2.8 (Lear)			2	50391172	
Secondary Lock, plug housing AFK 2.8 (Lear)			2	50391172	
Secondary Lock, plug housing MCP 2,8 (TE Connectivity)	21		1	50391186	
Accessories			see	DU	
Frame, assortment box HandyBox			Page 72	1	99994532



Assortment, plug housings

Restriction:
Version:

Mercedes-Benz
Actros MP4
Actros MP5



This 136-part product range contains the 6- to 21-pin receptacle housings, which are used in Actros MP5 and MP4 at Mercedes-Benz. The main focus here is on repairing the plug connection on the fuse relay box. The housing

and crimp connectors included can be ordered separately if necessary. The respective article numbers can be found in the insert. The refill packs fit into the respective compartment in the product range.

			Qty	DU	Article no.
			 136	1	54290030
Content	Number of Poles	Cross Section mm²	QU		
Assortment Box			1	99994507	
Crimp Connector MCP 2,8 (TE Connectivity)		0,5 to 1	50	50251483	
		1,5 to 2,5	50	50251484	
Plug Housing MCP 2,8 (TE Connectivity)	6		2	50391187	
			2	50391188	
	9		2	50391191	
			2	50391194	
	12		2	50391195	
			2	50391196	
			2	50391197	
			2	50391198	
	15		2	50391201	
			2	50391202	
			2	50391203	
	18		2	50391142	
			2	50391143	
			2	50391144	
	21		2	50391145	
			2	50391148	
			2	50391149	
			2	50391150	
Accessories			see	DU	
Frame, assortment box HandyBox			Page 72	1	99994532

Assortment, hose clamps

Assortment, hose clamps

Quality/
Grade:
DIN standards: DIN 3017-1 (hose clamps with worm gear drive)
Material:
Bolt Head:
Info:

Typ W2

Chrome steel
Hexagon
with holder
with worm drive



This multi-area hose clamp is particularly suited to applications with high mechanical stress. Thanks to constant continuous develop-

ment, it is still the benchmark for modern clamp design. Probably the most striking feature is the asymmetrical housing.

	Qty	DU	Article no.
	100	1	54268011
Content	Width mm	QU	
Hose Clamp	7,5	10	50268200
		10	50268216
	9	10	50268202
		10	50268204
		10	50268205
		10	50268207
		10	50268209
		10	50268210
		10	50268211
		10	50268212

Assortment, hose clamps

Quality/ Grade:
Material:

Typ W1
Steel



This assortment contains the most common 2-ear clamps for line cross sections of 5 to 20 mm. Two empty compartments are also included for personal use. The use of 2-ear clamps is the ideal solution for simple hose connections, e.g. in compressed air systems. The two

ears ensure a secure hold and a constant distribution of pressure all round. The slightly rounded edges help protect the hose. The refill packs listed in the insert all fit into the relevant compartment in the range.

Diameter mm	Qty	DU	Article no.
5 to 20	160	1	54268200
Content	Width mm	QU	
Assortment Box	240	1	99994521
Hose Clamp	6	25	50268340
		25	50268341
	6,5	25	50268342
		25	50268343
	7	20	50268344
		20	50268345
	7,5	20	50268347



Assortment, clamping clips

Assortment, clamping clips

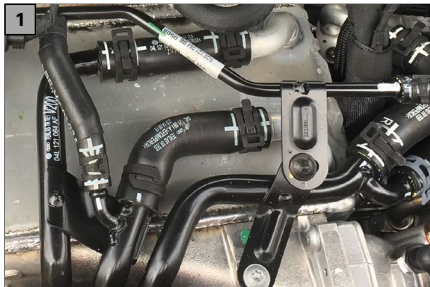
DIN standards: DIN 3021 (springband hose clips)
Info: with mounting tool



This line contains the most common spring band clamps (DIN 3021) for line cross sections ranging from 14 to 47 mm. An empty compartment is also included for personal use. Spring band clamps have an advantage over conventional hose clamps in that they adjust to the individual diameter in the application as a function of temperature. This means that all air

or fuel circuits present in the vehicle are always securely attached. This attachment solution is also more durable, as the lines do not chafe or rub. A handy pair of pliers has been added to the range to assist with fitting and removal of the clamps. The refill packs listed in the insert all fit into the relevant compartment in the range.

Diameter mm	contained variants		Quantity	DU	Article no.
14 to 47	8		65	1	54268100
Content	Nominal diameter mm	Clamping range mm	Width mm	QU	
Assortment Box			338	1	99994523
Clamping Clip	14	13,1 to 15,8	12	10	50268514025
	17	15,6 to 18,5		10	50268517025
	19	17,8 to 20,2		10	50268519025
	23	21 to 24,7		10	50268523010
	27	25,2 to 29,2		10	50268527010
	32	29,3 to 34,5		5	50268532005
	40	35,5 to 42,5		5	50268540005
	47	41,4 to 50		5	50268547005
Pliers, hose clamp		to 55		1	95922000
Accessories			see	DU	
Frame, assortment box HandyBox			Page 72	1	99994532





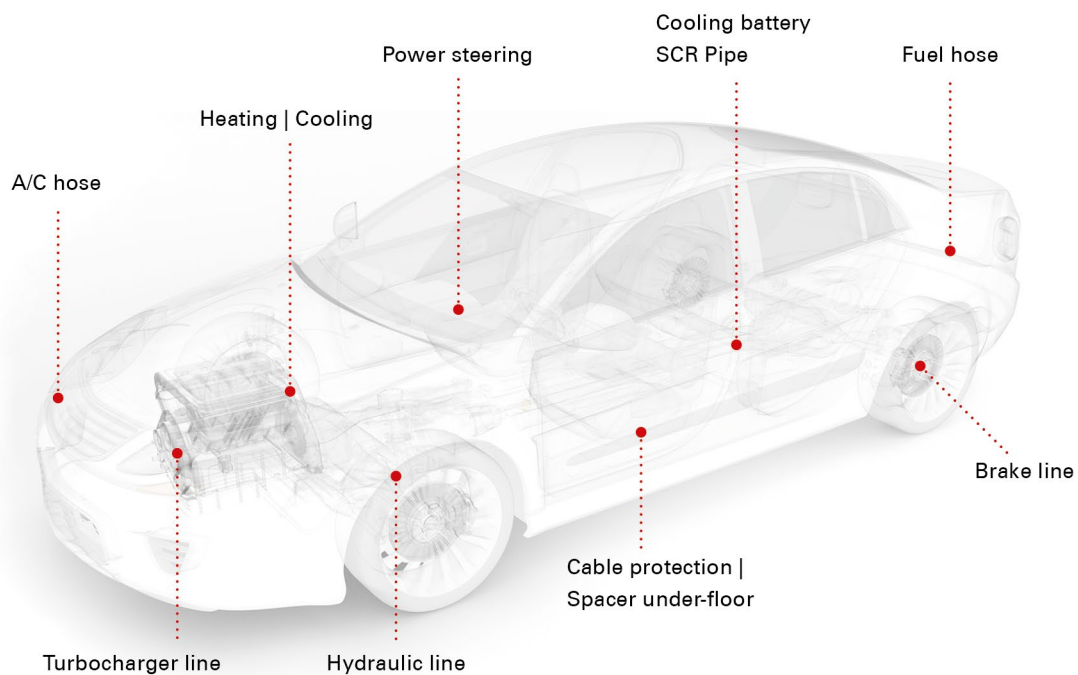
Assortment, spacer

» CLIPFIX



The branded ClassicFix and ClipFix spacers can be used as chafe protection, spacer or damper rings, or as line connectors in almost any vehicle. They are suitable for lines or hoses made of plastic, metal, elastomer and braided steel alike. The material ethylene propylene diene monomer rubber (EPDM) is characterised by its good weather- and ozone-resistance, and is suitable for use in a temperature range from -40 °C to +150 °C. The ClipFixbasic, ClipFixcycle

and ClipFixtwins variants are advanced developments of the ClassicFixbasic model. These products are fastenable and ideally suited for retrofitting in areas with restricted accessibility, among others. The repair-friendly handling, adhesive-free mounting and ease of removal are particular highlights of this range. The ClipFixtwins can connect multiple lines or hoses and are primarily used for holding lines and tolerance compensation for spacing.





ClipFixbasic ClipFixcycle ClassicFixbasic ClipFixtwins Assortment, spacer

Restriction:

Poppe



This range contains various elastomer spacers in the most typical sizes for each one. The branded ClassicFix and ClipFix spacers can be used as chafe protection, spacer or damper rings or as cable connectors in almost any vehicle. The ClipFixbasic, ClipFixcycle and ClipFixtwins variants are further developments of the ClassicFixbasic model and ideal for retrofitting, e.g. in areas with restricted accessibility. The ClipFixtwins can connect multiple lines or hoses. The toothed clip rings are entered in the trademarks register and are

additionally copyrighted under a European patent and Chinese design protection.

- The spacers are suitable for lines or hoses made of plastic, metal, braided steel or elastomer
- Designed for use in temperature ranges from -40 °C to +120 °C (briefly also up to +150 °C.)
- Repair-friendly handling,
- Adhesive-free mounting
- Ease of removal

Diameter mm	contained variants	Quantity	DU	Article no.
6 to 24	15	62	1	54230010
Content		for cable Ø mm	QU	
Assortment Box			1	99994522
Spacer			5	50230818
		6	4	50230306
		8	4	50230308
		9	4	50230309
		10	4	50230210
		11	2	50230311
		12	2	50230312
		13	5	50230313
		13,5	5	50230808
		15	5	50230315
		18	5	50230318
			2	50230804
		20	5	50230320
		23	5	50230817
		24	5	50230324
Accessories		see	DU	
Frame, assortment box HandyBox		Page 72	1	99994532
Pliers, spacer		Katalog04	1	95922004



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Assortment, fasteners

» ATTACHMENT PARTS



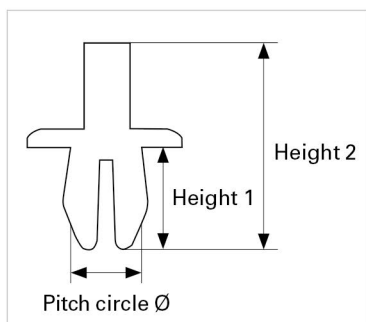
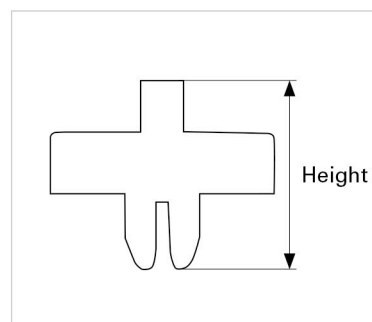
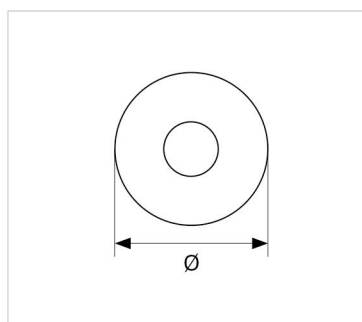
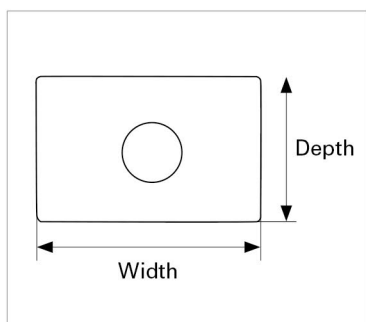
Effortless fixing!

There are different clips for many areas on the vehicle which secure the connection between the body and paneling, for example on paneling in the boot, in the vehicle's interior, such as the door paneling, in the engine bay, clips for sidebars etc. The product group Attachment parts offers an extensive range, which includes clips, blind rivets,

retaining clips, expanding rivets, screws and other fixing parts. We also offer various assortments. Depending on the equipment variant, these contain up to 240 parts and fit vehicles from BMW, Mercedes-Benz, VAG, Ford or Vauxhall (Opel).

Dimension specifications

The dimensions of our body fasteners are specified for the width, height and depth, diameter and pitch circle diameter, amongst other things. This is shown in the catalogue as follows.





Assortment, fasteners

Version: VAG
Mercedes-Benz

contained variants	Qty	DU	Article no.
16	185	1	54267001
Content	QU		
Holding Bracket	10		50267069
Screw	10		50267067
Clip	10		50267066
Screw (VW Audi)	10		50267065
Blind Rivet	10		50267064
Clip	10		50267062
	10		50267060
	10		50267059
Screw	10		50267057
Clip	10		50267050
	10		50267047
Holding Bracket	10		50267044
Expanding Rivet	10		50267038
Grommet	10		50267026
Expanding Rivet	20		50267014
Holding Bracket	25		50267140
Assortment Box	1		99994507
Accessories	see	DU	
Mounting Wedge	Katalog08	1	95926000
Frame, assortment box HandyBox	Page 72	1	99994532
Disassembly Tool, body holding clip	Katalog08	1	95926267

Assortment, fasteners

Version: VAG
BMW
Opel
Peugeot
Mercedes-Benz

contained variants	Qty	DU	Article no.
23	240	1	54267002
Content	QU		
Clip	10		50267048
Expanding Rivet	10		50267042
	10		50267041
	10		50267038
Clip	10		50267037
Expanding Rivet	20		50267017
Clip	10		50267007
Expanding Rivet	10		50267001
	10		50267080
	10		50267082
	10		50267085
	10		50267144
Clip	10		50267084
	10		50267145
	10		50267143
	10		50267088
	10		50267083
	10		50267081
	10		50267148
Expanding Rivet	10		50267146
Clip	10		50267087
Expanding Rivet	10		50267147
Clip	10		50267086
Assortment Box	1		99994507
Accessories	see	DU	
Mounting Wedge	Katalog08	1	95926000
Frame, assortment box HandyBox	Page 72	1	99994532
Disassembly Tool, body holding clip	Katalog08	1	95926267



Assortment, fasteners

Version:

VAG



contained variants	Qty	DU	Article no.
18	180	1	54267003
Content	QU		
Holding Bracket	10		50267069
Screw	10		50267067
Screw (VW Audi)	10		50267065
Clip	10		50267062
	10		50267060
	10		50267059
Screw	10		50267057
Holding Bracket	10		50267140
Clip	10		50267052
	10		50267050
	10		50267048
	10		50267141
	10		50267103
Clip, trim/protection strip	10		50267094
	10		50267090
Clip	10		50267142
	10		50267091
Screw (Audi Seat Skoda VW)	10		50267149
Assortment Box	1		99994507
Accessories	see	DU	
Mounting Wedge	Katalog08	1	95926000
Frame, assortment box HandyBox	Page 72	1	99994532
Disassembly Tool, body holding clip	Katalog08	1	95926267

Assortment, fasteners

Version:

BMW



contained variants	Qty	DU	Article no.
16	185	1	54267004
Content	QU		
Clip	20		50267072
Expanding Rivet	20		50267042
	10		50267041
	10		50267040
Blind Rivet	10		50267039
Expanding Rivet	10		50267038
Clip	10		50267037
Clip, trim/protection strip	5		50267032
	10		50267175
Expanding Rivet	20		50267017
	10		50267016
Clip	10		50267096
	10		50267009
Retaining Clip, windows	10		50267102
Clip	10		50267092
	10		50267034
Assortment Box	1		99994509
Accessories	see	DU	
Mounting Wedge	Katalog08	1	95926000
Disassembly Tool, body holding clip	Katalog08	1	95926267



Assortment, fasteners

Version: Mercedes-Benz



contained variants	Qty	DU	Article no.
17	170	1	54267005
Content	QU		
Expanding Rivet	10		50267082
	10		50267038
Clip	10		50267141
Grommet	10		50267026
Clip	10		50267025
	10		50267077
Grommet	10		50267022
Clip	10		50267020
Holding Bracket	10		50267019
Expanding Rivet	10		50267014
Clip	10		50267023
	10		50267167
Expanding Rivet	10		50267183
Grommet	10		50267076
	10		50267177
Clip	10		50267071
Expanding Rivet	10		50267015
Assortment Box	1		99994509
Accessories	see	DU	
Mounting Wedge	Katalog08	1	95926000
Disassembly Tool, body holding clip	Katalog08	1	95926267

Assortment, fasteners

Version: Ford



contained variants	Qty	DU	Article no.
17	170	1	54267006
Content	QU		
Holding Bracket	10		50267105
Clip	10		50267036
Expanding Rivet	10		50267147
Clip	10		50267124
Retaining Clip, windows	10		50267125
Clip	10		50267176
	10		50267178
Rivet	10		50267182
Expanding Rivet	10		50267002
Holding Bracket	10		50267069
	10		50267168
	10		50267073
Blind Rivet	10		50267134
	10		50267089
Expanding Rivet	10		50267112
Clip	10		50267099
	10		50267061
Assortment Box	1		99994509
Accessories	see	DU	
Mounting Wedge	Katalog08	1	95926000
Disassembly Tool, body holding clip	Katalog08	1	95926267



Assortment, fasteners

Version:

Opel



contained variants	Qty	DU	Article no.
14	140	1	54267007
Content	QU		
Clip	10		50267167
	10		50267036
Holding Bracket	10		50267194
Clip	10		50267093
	10		50267118
	10		50267008
Expanding Rivet	10		50267113
	10		50267095
	10		50267001
Clip	10		50267046
Holding Bracket	10		50267073
Blind Rivet	10		50267181
Clip	10		50267133
Holding Bracket	10		50267140
Assortment Box	1		99994509
Accessories	see	DU	
Mounting Wedge	Katalog08	1	95926000
Disassembly Tool, body holding clip	Katalog08	1	95926267

Assortment, fasteners

Version:

Honda
Kia
Mazda
Mitsubishi
Nissan
Subaru
Suzuki
Toyota



contained variants	Qty	DU	Article no.
17	160	1	54267008
Content	QU		
Rivet	10		50267197
	10		50267101
	10		50267212
	10		50267213
	10		50267214
	10		50267216
	10		50267218
Expanding Rivet	10		50267219
	10		50267221
	10		50267038
Rivet	10		50267108
	5		50267110
	10		50267111
	10		50267117
Expanding Rivet	5		50267136
Rivet	10		50267137
Expanding Rivet	10		50267098
Assortment Box	1		99994509
Accessories	see	DU	
Mounting Wedge	Katalog08	1	95926000
Disassembly Tool, body holding clip	Katalog08	1	95926267



Assortment, fasteners

Version:

Honda
Kia
Mazda
Mitsubishi
Nissan
Toyota



contained variants	Qty	DU	Article no.
13	130	1	54267009
Content	QU		
Clip	10		50267202
	10		50267203
	10		50267204
	10		50267205
	10		50267206
	10		50267207
	10		50267208
	10		50267209
	10		50267210
	10		50267215
	10		50267104
	10		50267127
	10		50267224
Assortment Box	1		99994509
Accessories	see	DU	
Mounting Wedge	Katalog08	1	95926000
Disassembly Tool, body holding clip	Katalog08	1	95926267

Assortment, fasteners

Version:

Citroen
Peugeot
Renault



contained variants	Qty	DU	Article no.
23	230	1	54267010
Content	QU		
Clip	10		50267129
	10		50267006
	10		50267005
	10		50267230
	10		50267008
	10		50267232
	10		50267233
	10		50267223
	10		50267145
	10		50267083
	10		50267017
	10		50267227
	10		50267146
	10		50267229
	10		50267183
	10		50267003
Expanding Rivet	10		50267170
	10		50267138
	10		50267131
	10		50267082
	10		50267216
	10		50267226
	10		50267228
	10		50267228
Rivet	10		50267216
Holding Bracket	10		50267226
Holding Bracket	10		50267228
Assortment Box	1		99994507
Accessories	see	DU	
Mounting Wedge	Katalog08	1	95926000
Frame, assortment box HandyBox	Page 72	1	99994532
Disassembly Tool, body holding clip	Katalog08	1	95926267



Assortment, cable tie mounting base

contained variants: 8
Chemical Properties: UV resistant



Quantity	DU	Article no.
110	1	54265010
Content	QU	
Mounting Base, cable tie	10	50265513
	10	50265516
	10	50265530
	10	50265625
	10	50265714066
	10	50265722066
Mounting Base, cable tie FlexTack	10	50265724
Mounting Base, cable tie	10	50265751010
Cable Tie	30	50266492
Accessories	see	DU
Cable Tie Pliers	Katalog08	1 90942365



Assortment, cable entry grommets

Assortment, cable entry grommets

Material:
Info:

PVC
One-sided
Double-sided



If cables are to be fed through holes in the chassis, rubber grommets protect the cable from any abrasion damage on sharp edges.

	Qty	DU	Article no.
	197	1	54280011
Content	Diameter 1/2 mm	QU	
Assortment Box		1	99994509
Cable Entry Grommet	7,8 / 11	25	50280205
	8,5 / 15	20	50280410
	10 / 14	20	50280209
		25	50280106
	11,5 / 16	20	50280108
	12 / 18	20	50280211
	14 / 18	10	50280111
	19,5 / 24	10	50280212
	21 / 26	10	50280213
	24 / 30	8	50280216
	30 / 35	4	50280225

Assortment, protective plugs and caps

Assortment, protective plugs and caps

Material:

PVC

Info:

Double-sided



Bore holes in the chassis can be securely sealed by using rubber stoppers.

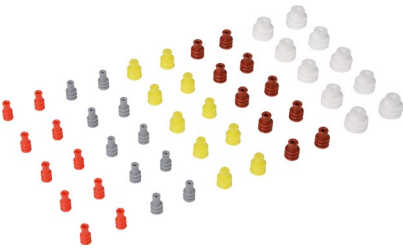
	Qty	DU	Article no.
	355	1	54280020
Content	QU		
Assortment Box	1		99994509
Sealing-/Protection Plugs	100		50280302
	50		50280304
	100		50280306
	25		50280308
	50		50280312
	30		50280314

ELA

Assortment, protective plugs and caps

Material:

MVQ (silicone rubber)



This is a set of the most common single conductor seals for the repair cables (RepLine) from Herth+Buss. It was compiled taking into account the most common housing chambers (3.6 mm, 4 mm, 5.2 mm, 5.4 mm and 7.2 mm) and line cross sections of the repair cables.

			Qty	DU	Article no.
			 50	1	50282150
Content	Length mm	Diameter mm	QU		
Sealing-/Protection Plugs	7,5	5,6 to 5,9	10	50282023	
	7,8	5,9 to 6,3	10	50282058	
	8	3,9 to 4,1	10	50282053	
		4,4 to 4,7	10	50282028	
	8,5	7,9 to 8,2	10	50282044	



Repair Kit, air conditioning

RepAC

Repair Kit, air conditioning

Material: Aluminium
HNBR (hydrogenated nitrile butadiene rubber)

Surface: Anodized

Info: with gaskets/seals with connecting pipe



The repair kit can be used to connect separate aluminium pipes to the air conditioner or replace entire straight pipe sections. For repair work, aluminium pipes are included in a length of 20 cm and the appropriate connecting sets, consisting of screw components and seals.

Pipe cutters, deburring machines and non-woven abrasive are required for proper processing and are also included with this repair kit. The seal rings in the sets are suitable for all standard refrigerants.

Wall Thickness mm	Outer Ø mm	Seal Diameter mm	Quantity	DU	Article no.
1,0	10,0 12,0 14,0 16,0 18,0	10,0 12,0 14,0 16,0 18,0	98	1	54272015
Content			Outer Ø mm	Seal Diameter mm	QU
Repair Kit, air conditioning RepAC			10,0	10,0	1
			12,0	12,0	1
			14,0	14,0	1
			16,0	16,0	1
			18,0	18,0	1



» REPAIR KIT, AIR CONDITIONING



Further information on the repair Kit, air conditioning

All connection sizes were burst pressure tested byTÜV

and a high level of resistance has been confirmed:

- 10 mm: Burst pressure > 100 bar
 - 12 mm: Burst pressure > 100 bar
 - 14 mm: Burst pressure > 80 bar
 - 16 mm: Burst pressure > 60 bar
 - 18 mm: Burst pressure > 50 bar



Product advantages:

- Covers almost standard sizes from 10 to 18 mm
 - No non-standard inch sizes included
 - No corrosion possible on the repaired vehicle cables as aluminium is used
 - Anodised individual parts
 - Different colours of the components for easy and safe assembly
 - Can be installed without special tools
 - Cheaper than installing a completely new cable harness
 - Not limited to one vehicle manufacturer and therefore suitable for universal use, including commercial vehicles and agricultural machinery
 - Fast repair solution as an immediate aid, no long wait times and standstill

Other sizes and pipe sections (90°/45°) are possible depending on demand.



RepAC

Repair Kit, air conditioning

Material:

Aluminium

HNBR (hydrogenated nitrile butadiene rubber)

Surface:

Anodized

Info:

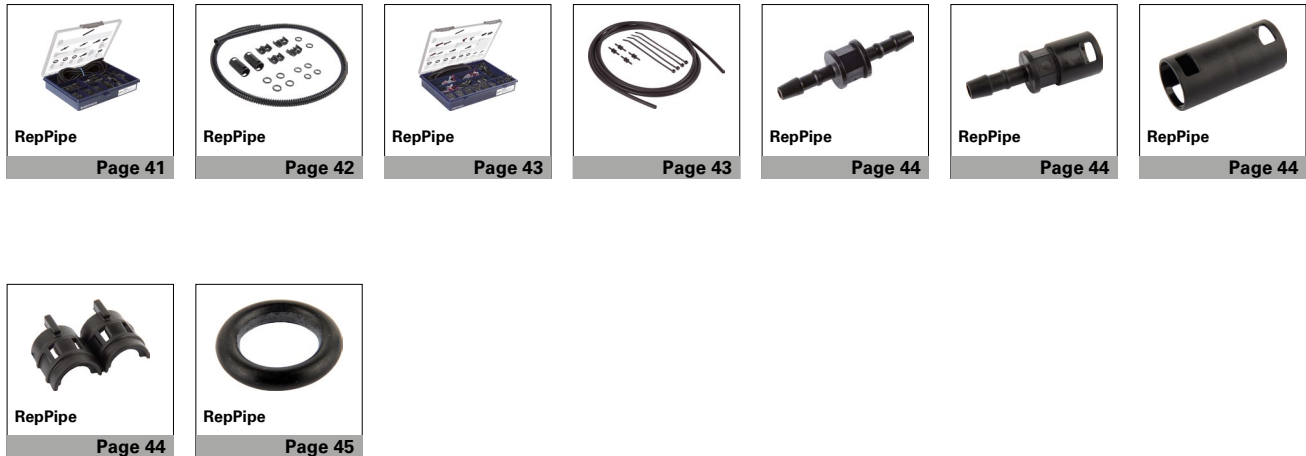
with gaskets/seals with connecting pipe

Wall Thickness mm	Outer Ø mm	Seal Diameter mm	DU	Article no.
1,0	10,0	10,0	1	51272010
	12,0	12,0	1	51272012
	14,0	14,0	1	51272014
	16,0	16,0	1	51272016
	18,0	18,0	1	51272018





Repair Set, wash water line



RepPipe

Repair Set, wash water line

Version: NW 4,5mm -> 3,0mm
NW 4,5mm -> 4,0mm
Material: POM (Polyoxymethylene)
Polyamid 6
EPDM (ethylene propylene diene Monomer (M-class) rubber)
Pipe length: 2500 mm
Info: with gaskets/seals with connecting pipe with adapter



Damaged sections of washing water lines can be replaced quickly and easily using the repair kit. Corrugated pipe connecting pieces, mounting clips and seals in three different diameters, in addition to a 2.5-metre-long corrugated pipe, are all contained to repair corrugated pipelines with a nominal width of 4.5. In

addition, damaged sections of washing water lines made from smooth hoses can be repaired using connecting adapters with diameters of 3 mm and 4 mm. Moreover, hose fittings are contained for the direct connection of smooth hoses.

			Qty	DU	Article no.
			159	1	54271025
Content	Nominal Size mm	Inner diameter mm	QU		
Assortment Box			1	99994521	
Clip RepPipe			28	51271335	
Connector, pipes RepPipe	4,5		6	51271320	
			6	51271321	
			8	51271330	
Corrugated Pipe		4,3	1	51271140	
Hose Connector RepPipe			10	51271310	
			10	51271311	
Seal Ring, corrugated pipe RepPipe	4,5	5,0	30	50280050	
		5,5	30	50280055	
		6,0	30	50280060	
Accessories	Nominal Size mm	Inner diameter mm	see	DU	
Seal Ring, corrugated pipe RepPipe	4,5	5,0	Page 45	50	50280150
		5,28	Page 45	50	50280052
Seal Ring, corrugated pipe RepPipe		6,1	Page 45	50	50280061





RepPipe

Repair Set, wash water line

Material: POM (Polyoxymethylene)
Polyamid 6
EPDM (ethylene propylene
diene Monomer (M-class)
rubber)
Pipe length: 500 mm
Info: with gaskets/seals
with connecting pipe



Using the repair kit, a defective point in the washing water line can be quickly and easily replaced. Corrugated pipe connecting pieces, mounting clips and seals in four different

diameters, in addition to a 50- centimetre-long corrugated pipe, are all contained to repair the corrugated pipeline with a nominal width of 4.5.

			QU	DU	Article no.
			Kit	1	 54271026066
Content	Nominal Size mm	Inner diameter mm	QU		
Clip RepPipe	4,5		4	51271335	
Connector, pipes RepPipe			2	51271330	
Corrugated Pipe		4,3	1	51271140	
Seal Ring, corrugated pipe RepPipe		5,0	2	50280150	
Seal Ring, corrugated pipe RepPipe			2	50280050	
Seal Ring, corrugated pipe RepPipe		5,28	2	50280052	
Seal Ring, corrugated pipe RepPipe		5,5	2	50280055	
Seal Ring, corrugated pipe RepPipe		6,0	4	50280060	
		6,1	2	50280061	



RepPipe

Repair Set, wash water line

Version: NW 4,5 mm -> 3,0 mm
NW 4,5 mm -> 4,0 mm
Material: POM (Polyoxymethylene)
Pipe length: 2500 mm
Info: with gaskets/seals
for washer fluid jet
for washer fluid pump
with connecting pipe
with adapter



Using the repair kit, defective sections and complete pipe sections in washing water lines can be replaced quickly and easily. It is also possible to replace conventional coupling pieces. Corrugated pipe connecting pieces, mounting clips and seals in six different diameters, in addition to a 2.5-metre-long corrugated pipe, are all included in the repair kit for repair-

ring corrugated pipes with a nominal diameter of 4.5. In addition, damaged sections of washing water lines made from smooth hoses can be repaired using connecting adapters with diameters of 3 mm and 4 mm. Moreover, hose fittings are contained for the direct connection of smooth hoses.

			Qty	DU	Article no.
			333	1	54271027
Content	Nominal Size mm	Inner diameter mm	QU		
Assortment Box			1		99994522
Clip RepPipe			50		51271335
Connector, pipes RepPipe			6		51271323
			6		51271326
			6		51271324
			6		51271327
			8		51271322
			8		51271325
Connector, pipes RepPipe			8		51271320
			8		51271321
	4,5		16		51271330
Corrugated Pipe		4,3	1		51271140
Hose Connector RepPipe			15		51271310
			15		51271311
Seal Ring, corrugated pipe RepPipe	4,5	5,0	30		50280050
Seal Ring, corrugated pipe RepPipe			30		50280150
		5,28	30		50280052
Seal Ring, corrugated pipe RepPipe		5,5	30		50280055
		6,0	30		50280060
		6,1	30		50280061
Accessories			see	DU	
Frame, assortment box HandyBox			Page 72	1	99994532

Repair Set, wash water line

Material: EPDM (ethylene propylene diene Monomer (M-class) rubber)
Info: with hose
with cable tie
with plug connector



This repair kit is not just suitable for washing water hoses, but also for other applications. The hose material EPDM is resistant to alcohol, water, acids, alkalis, etc... Other applications thus include:

- Battery ventilation
- Water drainage (sunroof, air conditioning)

- Vacuum hoses
- Boats + caravans (excellent resistance to UV light, weatherproof)
- Industrial applications with repairs Not suitable for use with grease, mineral oil or fuel.

Line Cross Section mm	Inner Ø mm	Outer Ø mm	DU	Article no.
3	3	7	1	54280003
4	4	8	1	54280004
Content		for cable Ø mm	QU	
Hose			1	51280030
			1	51280040
Hose Connector RepPipe		3	4	51271310
		4	4	51271311
Accessories		see	only for	DU
Hose Clamp		Katalog04	54280004	25 50268109



RepPipe

Hose Connector

Material: POM (Polyoxymethylene)
Chemical Oil resistant
Properties:
Shape: straight
Material: POM (Polyoxymethylene)



Inlets/Outlets	for cable Ø mm	Colour	DU	Article no.
2	3	●	25	51271310
	4	●	25	51271311

RepPipe

Connector, pipes

Shape: straight
Material: POM (Polyoxymethylene)
Chemical Oil resistant
Properties:



Pipe Ø mm	Hose diameter mm	DU	Article no.
4,5	3	10	51271320
	4	10	51271321

RepPipe

Connector, pipes

Shape: straight
Material: POM (Polyoxymethylene)
Chemical Oil resistant
Properties:



Nominal Size mm	DU	Article no.
4,5	10	51271330

RepPipe

Clip

Material: POM (Polyoxymethylene)
Chemical Oil resistant
Properties:



Pipe Ø mm	DU	Article no.
4,5	10	51271335



RepPipe

Seal Ring, corrugated pipe

Material: EPDM (ethylene propylene
diene Monomer (M-class)
rubber)



Nominal Size mm	Thickness mm	Inner diameter mm	DU	Article no.
4,5	1,5	5,0	50	50280050
		5,5	50	50280055
		6,0	50	50280060
	1,6	6,1	50	50280061
	1,78	5,28	50	50280052
	2,0	5,0	50	50280150

Assortment, hose connectors

Assortment, hose connectors

Shape:

Material:

Chemical

Properties:

straight

with Hex.

POM (Polyoxymethylene)

Oil resistant



The great advantage of the 60 hose connectors in this assortment is in the hexagonal intermediate piece. This intermediate piece serves as a holder for a conventional spanner and simultaneously functions as both a “finger extension” and a lever. Mounting is made considerably easier, especially in tight spaces and hard-to-reach areas. Furthermore, the intermediate piece offers the option of attaching

a cable tie to fix the hose in place. The travel stops at both ends also prevent the cable tie from slipping. In addition, the black colour of the oil-resistant connectors ensures that they blend in perfectly with the hoses usually found installed in vehicles. The connectors contained in the assortment box are suitable for connecting smooth hoses with an inner diameter of between 3 and 6 mm.

Inlets/Outlets	for cable Ø mm	Colour	Qty	DU	Article no.
2	3 4 5 6		60	1	54271300
Content		for cable Ø mm	QU		
Adapter, hose connector		3 4	6	51271314	
		3 5	6	51271315	
		3 6	6	51271317	
		4 6	6	51271318	
		4 5	6	51271316	
		5 6	6	51271319	
Hose Connector RepPipe		3	6	51271310	
		4	6	51271311	
Hose Connector		5	6	51271312	
		6	6	51271313	



RepPipe

Hose Connector



Material: POM (Polyoxymethylene)
Chemical Properties: Oil resistant
Shape: straight
Material: POM (Polyoxymethylene)

Inlets/Outlets	for cable Ø mm	Colour	DU	Article no.
2	3	●	25	51271310
		●	200	51271310099
	4	●	25	51271311
		●	200	51271311099
	5	●	20	51271312
		●	200	51271312099
	6	●	20	51271313
		●	200	51271313099

Adapter, hose connector



Shape: straight with Hex.
Material: POM (Polyoxymethylene)
Chemical Properties: Oil resistant

Inlets/Outlets	for cable Ø mm	Colour	DU	Article no.
2	4	●	10	51271314
		●	100	51271314099
	5	●	10	51271315
		●	100	51271315099
	5	●	10	51271316
		●	100	51271316099
	6	●	10	51271317
		●	100	51271317099
	6	●	10	51271318
		●	100	51271318099
	6	●	10	51271319
		●	100	51271319099

ANYLOX

Assortment, hose connectors

- Shape:

Y Shape

X Shape

I Shape
- Chemical Properties:

Oil resistant

Solvent resistant

Fuel-Resistant



The ANYLOX assortment consists of manifolds available with 2(=I), 3(=Y) or 4(=X) connection types, allowing you to create different manifolds as you wish. The total of 200 individual parts includes, among other things, the plug-in inserts for the hose sizes 3, 4, 5, 6 mm, which are suitable for the various manifolds. With the help of the system connector and the O-rings,

there are far more than 100 different combinations available, depending on your needs. Also included is a plug-in insert for corrugated pipes with an inner diameter of 4.5 mm, which is designed for the windscreen washer system and can be combined with our RepPipe system.

Inlets/Outlets	for cable Ø mm	Qty	DU	Article no.
2 3 4	3 4 5 6	NEW 200	1	54271055
Content	Shape	for cable Ø mm	QU	
Adapter, hose connector	straight	3	20	51271364
		4	20	51271365
		5	20	51271366
		6	20	51271367
Clip RepPipe			10	51271335
Connector, pipes	straight		5	51271360
	I Shape		10	51271369
	straight		10	51271370
	T Shape (T Piece)		5	51271361
	X Shape		5	51271363
	Y Shape		5	51271362
Seal Ring, corrugated pipe RepPipe			50	50280060
Seal Ring, corrugated pipe			50	50280062
Sealing-/Protection Plugs			10	51271368



Connector, pipes



Shape: straight I Shape **Material:** POM (Polyoxymethylene) **Chemical Properties:** Oil resistant

	DU	Article no.
 5	5	51271360

Connector, pipes



Shape: T Shape (T Piece) **Material:** POM (Polyoxymethylene) **Chemical Properties:** Oil resistant

	DU	Article no.
 5	5	51271361

Connector, pipes



Shape: Y Shape **Material:** POM (Polyoxymethylene) **Chemical Properties:** Oil resistant

	DU	Article no.
 5	5	51271362

Connector, pipes



Shape: X Shape **Material:** POM (Polyoxymethylene) **Chemical Properties:** Oil resistant

	DU	Article no.
 5	5	51271363





Adapter, hose connector



Shape: straight
Material: POM (Polyoxymethylene)
Chemical Properties: Oil resistant

Inlets/Outlets	for cable Ø mm	Colour	DU	Article no.
2	3	● NEW	20	51271364
	4	● NEW	20	51271365
	5	● NEW	20	51271366
	6	● NEW	20	51271367

Sealing-/Protection Plugs



Material: POM (Polyoxymethylene)

	Colour	DU	Article no.
	● NEW	10	51271368

Connector, pipes



Shape: straight
Material: POM (Polyoxymethylene)
Chemical Properties: Oil resistant

Inlets/Outlets	DU	Article no.
2	NEW 10	51271369

Connector, pipes



Shape: straight
Material: POM (Polyoxymethylene)
Chemical Properties: Oil resistant

Pipe Ø mm	DU	Article no.
4,5	NEW 10	51271370

RepPipe

Clip



Material: POM (Polyoxymethylene)
Chemical Properties: Oil resistant

Pipe Ø mm	DU	Article no.
4,5	10	51271335



RepPipe

Seal Ring, corrugated pipe



Material: EPDM (ethylene propylene diene
Monomer (M-class) rubber)

Nominal Size mm	Thickness mm	Inner diameter mm	DU	Article no.
4,5	1,5	6,0	50	50280060

Seal Ring, corrugated pipe



Material: FKM (fluorocarbon rubber)

Nominal Size mm	Thickness mm	Inner diameter mm	DU	Article no.
4,5	1,5	6	50	50280062

Repair Set, vacuum line



RepVac

Repair Set, vacuum line

Shape:

straight
angled

Material:

EPDM (ethylene propylene diene Monomer (M-class) rubber)
POM (Polyoxymethylene) Polyamid 6

Info:

with connecting pipe with adapter

Faulty negative pressure lines made from rubber and hard plastic can be replaced with a modern negative pressure corrugated pipe with the repair kit. The following are included for repairs: straight and angled negative pressure connectors for corrugated pipe with a nominal width of 4.5 for connections with 3-4 mm and 5-7 mm, in addition to corrugated pipe connecting pieces. The assortment also includes fixing clamps, retaining clips and a 2.5-m-long corrugated pipe. The area of use ranges from passenger cars and commercial vehicles to motorcycles and construction machinery. Application examples include nega-

tive pressure connections on: air filter boxes, distributors, MAP sensors, pressure control valves, central locking systems, etc. Advantages of the repair kit:

- universally compatible
- better protection against pine marten bites
- permanently flexible and durable
- smaller diameter than rubber lines
- Replacement for negative pressure lines from older vehicles which are no longer available
- emergency fix in the event of breakdowns
- cheaper than moulded hoses



Nominal Size mm	Version	Qty	DU	Article no.
4,5	NW 4,5 -> 3-4 mm NW 4,5 -> 5-7 mm	89	1	54271035
Content			QU	
Connector, pipes RepVac		8		51271340
		8		51271341
		8		51271342
		8		51271350
		8		51271351
Holding Bracket RepVac		8		51271352
Clamping Clip RepVac		20		50267222
Corrugated Pipe		20		50268610
Assortment Box		1		51271140
		1		99994521
Accessories		see	DU	
Pliers, hose clamp		Katalog08	1	95922000



RepVac

Connector, pipes

Shape: straight
Material: EPDM (ethylene propylene diene Monomer (M-class) rubber)



Pipe Ø mm	DU	Article no.
4,5	10	51271340

RepVac

Connector, pipes

Shape: straight
Material: EPDM (ethylene propylene diene Monomer (M-class) rubber)



Pipe Ø mm	Hose diameter mm	DU	Article no.
4,5	3 to 4	10	51271341
	5 to 7	10	51271342

RepVac

Connector, pipes

Shape: angled
Material: EPDM (ethylene propylene diene Monomer (M-class) rubber)



Pipe Ø mm	DU	Article no.
4,5	10	51271350

RepVac

Connector, pipes

Shape: angled
Material: EPDM (ethylene propylene diene Monomer (M-class) rubber)



Pipe Ø mm	Hose diameter mm	DU	Article no.
4,5	3 to 4	10	51271351
	5 to 7	10	51271352



RepVac Holding Bracket

Material:

Steel



Nominal diameter mm	DU	Article no.
10	25	50267222

RepVac Clamping Clip

Material:

Steel

DIN standards: DIN 3021 (springband hose clips)

Temperature
range:

-40 to +200 °C



Spring-band clamps have an advantage over conventional hose clamps in that they adapt to the respective diameter in the area of application. The flexible holding mechanism of the clamp makes this possible. If the temperature rises in the area of application, the fluid system increases its diameter – the clamp thereby adapts to the increased cross-section. The op-

posite also applies for the cold. This means that all air or fuel circuits present in the vehicle are always securely attached. The optimum hold provided by the systems also creates one further advantage: This attachment solution is more durable, as the pipelines do not chafe or rub.

Width mm	Clamping range mm	Nominal diameter mm	DU	Article no.
8	9,8 to 11,2	10	25	50268610
Accessories			see	DU
Pliers, hose clamp			Katalog08	1
				95922000



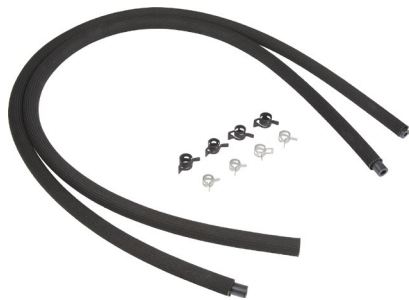
Repair Set, pressure line (soot/ particulate filter)

Repair Set, pressure line (soot/

RepDPF

Repair Set, pressure line (soot/ particle filter)

Material: Silicone
Temperature range: -40 to +350 °C
Chemical Properties: Oil resistant
Info: with connection line
 with protection hose
 with marten protection
 with clamps



Using this repair kit, defective connecting hoses between the diesel particle filter (DPF) and the differential pressure sensor can be quickly and simply replaced. Pine marten bites may also be responsible for damage, and not just mechanical and thermic influences. That's why this set is supplied with protective hoses

that are resistant to both high temperatures and pine marten bites. They protect the silicone pressure lines from external influences. The spring band clamps included in the scope of supply ensure that the hoses are held securely.

Pressure hose connector Ø mm	Clamping range mm	Length m	DU	Article no.
5 6,5	10,0 11,0 11,5 12,5 to 12,5 13,5 14,0 15,0	1	1	54271045
Accessories		see	DU	
Pliers, hose clamp		Katalog08	1	95922000





Assortment, heat shrink tube

Assortment, heat shrink tube

Shrinkage Rate: 2:1
Inspection Tag: UL 224
Temperature range: -55 to +125 °C
Breakdown Strength: 24 kV/mm



This thermal contraction hose range is designed for the needs of specialist car garages, laboratories and modifiers. Carefully selected content with a highly diverse range of measurements and colours, clearly and practically

designed, is used where extra protection against mechanical stresses, corrosion, chemical penetration and abrasion should be ensured. The article numbers found in the contents can be ordered as refill packages.

Diameter mm		Qty	DU	Article no.
1,2 to 12,5		564	1	51273001
Content	Diameter 1/2 mm	Colour	QU	
Heatshrink Tube			28	51273016
	1,2 / 0,6		125	51273010
	1,6 / 0,8		125	51273011
	2,4 / 1,2		125	51273012
	3,2 / 1,6		80	51273013
	4,8 / 2,4		40	51273014
	6,4 / 3,2		20	51273015
	9,5 / 4,8		12	51273017
	12,5 / 6,4		9	51273018
Accessories		see	DU	
Hot Air Dryer HeatGun		Katalog08	1	95920000
Universal Scissors		Katalog08	1	95942329
Gas Soldering Torch Burner		Katalog08	1	95921001

Assortment, heat shrink tube

Shrinkage Rate: 2:1
Inspection Tag: UL 224
Temperature range: -55 to +125 °C
Breakdown Strength: 24 kV/mm



This thermal contraction hose assortment is designed for the needs of specialist vehicle garages, laboratories and modifiers. Carefully selected contents are used where extra protec-

tion against mechanical stresses, corrosion, chemical penetration and abrasion should be ensured.

Diameter mm		Qty	DU	Article no.
1,20 to 38		119	1	51273002
Content	Diameter 1/2 mm	Colour	QU	
Heatshrink Tube	1,2 / 0,6		1	51273025
	2,4 / 1,2		1	51273026
	4,8 / 2,4		1	51273027
	9,5 / 4,8		1	51273028
	19 / 9,5		1	51273029
	38 / 19		1	51273030
Accessories		see	DU	
Hot Air Dryer HeatGun		Katalog08	1	95920000
Universal Scissors		Katalog08	1	95942329
Gas Soldering Torch Burner		Katalog08	1	95921001



Assortment, heat shrink tube

Shrinkage Rate: 3:1

Inspection Tag: ASTM D2671
Temperature range: -55 to +110 °C

Material: Polyolefin, cross-linked (PEX)
contained variants: 2

Info: with inner adhesive



The assortment of thermal contraction hoses contains the sizes and lengths which are most commonly required. The hoses with thin walls contain a hot-melting inner adhesive which is released when heated up and which protects the repaired area from moisture and corrosion. The optimum shrinking rate of 3:1 means that the assortment can cover a broad area of application with just three different sizes.

- Thermal contraction hose in black and transparent
- Case with labelled compartment partitioning
- Hoses as per RoHS and SAE-AMS-DTL-23053/4 Class 3 (except transparent variant)
- All articles can be ordered as refill packages

		Qty	DU	Article no.
		130	1	51273003
Content	Diameter 1/2 mm	Colour	QU	
Assortment Box			1	99994521
Heatshrink Tube	3 / 1	●	25	51273212
		○	25	51273213
	6 / 2	●	30	51273214
		○	30	51273215
	12 / 4	●	10	51273216
			5	51273217
		○	5	51273218
Accessories		see	DU	
Gas Soldering Torch Burner		Katalog08	1	95921001
Hot Air Dryer HeatGun		Katalog08	1	95920000
Universal Scissors		Katalog08	1	95942329

» SHRINK HOSES



A shrink hose can assume a vast range of (protective) functions in a vehicle. Whether as additional insulation protection for cable harnesses or as a means of sealing cable outlets on plug housings – shrink hoses can be used in a variety of applications. Hoses with inner adhesive are absolutely reliable when it comes to establishing a tight seal. Alongside the various standard applications, we would like to suggest an additional, more specific function: there is also the option of retrofitting a shrink hose to cable harnesses or individual cables. To do so, the shrink hose must initially be cut to the desired length before being snipped at the side using commercially available scissors. This will enable the hose to be positioned around the desired point on the harness.

The larger the harness (and therefore the hose), the more difficult it can be to shrink the hose in the next step. We would advise against holding the shrink hose together with unprotected fingers while working on it using a hot air fan. For this purpose, we recommend calling on the assistance of another old friend from the Elparts product range – the cable tie. Use one or more cable ties to fix the hose in the desired position. To make it as easy as possible to use the hot air fan, we recommend cutting off the protruding ends of the cable ties. After this, nothing else will stand in the way of the shrinking process.





Assortment, heat shrink tube

Shrinkage Rate: 2:1
Inspection Tag: UL 224
Temperature range: -55 to +125 °C
Breakdown 24 kV/mm
Strength:
Info: with gas soldering torch



Diameter mm		Qty	DU	Article no.
1,2 to 38		119	1	51273004
Content	Diameter 1/2 mm	Colour	QU	
Attachment Set, gas soldering torch			1	95921001001
Gas Soldering Torch			1	95921000
Heatshrink Tube	1,2 / 0,6		1	51273025
	2,4 / 1,2		1	51273026
	4,8 / 2,4		1	51273027
	9,5 / 4,8		1	51273028
	19 / 9,5		1	51273029
	38 / 19		1	51273030



Assortment, cable repair set

RepCon

Assortment, cable repair set

Restriction: Alfa Romeo
Fiat
Lancia
Opel

Info: with shrink squeeze connector



contained variants			DU	Article no.
11			1	54277010
Content	Number of Poles	Colour	QU	
Cable Repair Set RepCon	1		4	51277346
Cable Repair Set RepCon (Alfa Romeo Chevrolet Fiat Lancia Opel)	2		1	51277337
Cable Repair Set			4	51277164
Cable Repair Set RepCon (Alfa Romeo Renault)			1	51277319
Cable Repair Set RepCon Superseal (Fiat Lancia)			1	51277265
Cable Repair Set RepCon (Citroen Fiat Lancia Opel Peugeot)			1	51277333
Cable Repair Set RepCon	3		1	51277338
Cable Repair Set RepCon (Citroen Fiat Peugeot)	5		1	51277250
Cable Repair Set RepCon (Alfa Romeo Fiat Opel)			1	51277183
Cable Repair Set RepCon (Citroen Fiat Peugeot)	6		1	51277253
Cable Repair Set RepCon (Fiat)	10		1	51277144
Squeeze Connector Crimpsel II		●	20	50252552
		●	10	50252553
		●	10	50252554
Accessories		see	DU	
Crimping Pliers CrimPro 10	Katalog08	1		95942330
	Katalog08	1		95942331
Crimping Pliers Insert	Katalog81	1		95942347
Frame, assortment box HandyBox	Page 72	1		99994532



RepCon

Assortment, cable repair set

Restriction: Citroen
Peugeot
Renault

Info: with shrink squeeze connector



contained variants				DU	Article no.
12				1	54277020
Content	Number of Poles	Diameter mm	Colour	QU	
Cable Repair Set RepCon	1	4		4	51277179
Cable Repair Set RepCon (Citroen Dacia Nissan Peugeot)	2			1	51277291
Cable Repair Set RepCon				1	51277309
Cable Repair Set RepCon (BMW Fiat Opel Suzuki)				4	51277163
Cable Repair Set RepCon (Citroen Fiat Lancia Peugeot Renault Toyota)				1	51277302
Cable Repair Set RepCon (Citroen Peugeot Renault)				2	51277304
Cable Repair Set RepCon (Citroen Peugeot)	5			1	51277301
Cable Repair Set RepCon (Citroen Fiat Peugeot)				1	51277182
Cable Repair Set RepCon (Citroen Dacia Nissan Peugeot)	6			1	51277292
Cable Repair Set RepCon (Citroen Fiat Ford Lancia Mazda Opel Peugeot Volvo)				1	51277270
Cable Repair Set RepCon (Fiat Lada Dacia Citroen Peugeot Renault)			●	1	51277261
Cable Repair Set RepCon (Renault)	10			1	51277321
Squeeze Connector Crimpseal II			●	20	50252552
			●	10	50252553
			●	10	50252554
Accessories			see	DU	
Crimping Pliers CrimPro 10			Katalog08	1	95942330
			Katalog08	1	95942331
Crimping Pliers Insert			Katalog81	1	95942347
Frame, assortment box HandyBox			Page 72	1	99994532



RepCon

Assortment, cable repair set

Restriction: Audi
VW
Seat
Skoda

Info: with shrink squeeze connector



contained variants				DU	Article no.
13				1	54277030
Content	Number of Poles	Diameter mm	Colour	QU	
Cable Repair Set RepCon	1	4		4	51277180
Cable Repair Set RepCon (Mercedes-Benz VAG Scania)	2			2	50390266
Cable Repair Set RepCon (VAG)				2	51277160
Cable Repair Set RepCon (Mercedes-Benz VAG)				2	51277296
Cable Repair Set RepCon (VAG)				1	51277267
Cable Repair Set RepCon (VAG)	3			1	51277340
				1	51277307
				1	51277331
Cable Repair Set RepCon (VAG Fiat Citroen Peugeot)	4			1	51277161
Cable Repair Set RepCon (Ford VAG)				1	51277284
Cable Repair Set RepCon (VAG)				1	51277341
Cable Repair Set RepCon (VAG)	5			1	51277308
Cable Repair Set RepCon (Alfa Romeo Fiat Ford Lancia Opel Suzuki)	6			1	51277264
Cable Repair Set RepCon (VAG Renault)				1	51277387
Squeeze Connector Crimpseal II			●	20	50252552
			●	20	50252553
Accessories			see	DU	
Crimping Pliers CrimPro 10			Katalog08	1	95942330
			Katalog08	1	95942331
Crimping Pliers Insert			Katalog81	1	95942347
Frame, assortment box HandyBox			Page 72	1	99994532



RepCon

Assortment, cable repair set

Restriction: BMW
Info: Mercedes-Benz
with shrink squeeze connector



contained variants			DU	Article no.
11			1	54277040
Content	Number of Poles	Colour	QU	
Cable Repair Set RepCon (BMW)	2		1	51277347
Cable Repair Set RepCon (BMW Mercedes-Benz)			1	51277352
Cable Repair Set RepCon (BMW)	3		1	51277318
Cable Repair Set RepCon (Mercedes-Benz)			1	51277286
Cable Repair Set RepCon (BMW)			1	51277348
Cable Repair Set RepCon (BMW Mercedes-Benz VAG)	4		1	51277336
Cable Repair Set RepCon (Mercedes-Benz)	6		1	51277162
			2	51277326
Cable Repair Set RepCon (BMW)	7		1	51277349
Cable Repair Set RepCon (Mercedes-Benz)			2	51277289
Cable Repair Set RepCon (BMW)	8		2	51277350
Squeeze Connector Crimpseal II		○	10	50252555
		●	20	50252552
		●	10	50252553
Accessories		see	DU	
Crimping Pliers CrimPro 10		Katalog08	1	95942330
		Katalog08	1	95942331
Crimping Pliers Insert		Katalog81	1	95942347
Frame, assortment box HandyBox		Page 72	1	99994532



RepCon

Assortment, cable repair set

Restriction: BMW
Mercedes-Benz
VAG
Fiat
Alfa Romeo
Opel
Citroen
Peugeot
Renault

Info: with shrink squeeze connector



This range contains the most common cable repair kits for a wide range of vehicle models. Whether it's the connection on the combination rearlight for PSA, BMW or Mercedes-Benz, the injection valves for Fiat or Alfa Romeo, the wheel speed sensors for VAG, the heating control unit for Renault or the glow plugs for almost all vehicles with diesel engines. The RepCon range comprises cover 120 different connectors. The cables included in the repair

kit simply have to be connected to the cables in the vehicle. We recommend solder or crimp shrink connectors for this purpose. Key advantages:

- Contacts and cables are already crimped.
- No time-consuming search for the contact installed in the connector.
- No unfastening of the contacts necessary.
- No crimping pliers required.

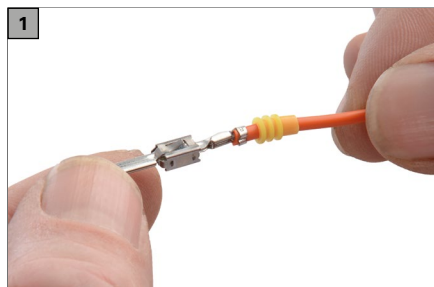
contained variants				DU	Article no.
15				1	54277050
Content	Number of Poles	Diameter mm	Colour	QU	
Cable Repair Set Superseal (Opel Fiat Peugeot Alfa Romeo Lancia Suzuki Ford Citroen)	1			1	51277335
Cable Repair Set RepCon		4		2	51277180
Cable Repair Set RepCon (Citroen Dacia Nissan Peugeot)	2			1	51277291
Cable Repair Set RepCon (VAG)				2	51277160
				2	51277296
Cable Repair Set RepCon (Mercedes-Benz VAG Scania)				2	50390266
Cable Repair Set RepCon (BMW Fiat Opel Suzuki)				1	51277163
Cable Repair Set RepCon (VAG)	3			1	51277340
Cable Repair Set RepCon (Citroen Peugeot Renault)	4			1	51277271
Cable Repair Set RepCon (Citroen Dacia Nissan Peugeot)	6			1	51277292
Cable Repair Set RepCon (BMW Mercedes-Benz VAG)				1	51277162
Cable Repair Set RepCon (Fiat Lada Dacia Citroen Peugeot Renault)			●	1	51277261
Cable Repair Set RepCon (Mercedes-Benz)	7			1	51277289
Cable Repair Set RepCon (BMW)	8			1	51277350
Cable Repair Set RepCon (Fiat)	10			1	51277144
Squeeze Connector Crimpseal II			○	10	50252555
			●	20	50252552
			●	5	50252553
			●	5	50252554
Accessories				see	DU
Frame, assortment box HandyBox				Page 72	1 99994532
Crimping Pliers CrimPro 10				Katalog08	1 95942330
				Katalog08	1 95942331
Crimping Pliers Insert				Katalog81	1 95942347



RepLine

Assortment, repair cable

Restriction: BMW
Mercedes-Benz
Opel
VAG
Info: with gaskets/seals
with shrink squeeze connector



contained variants	Cable Length mm	DU	Article no.
14	300	1	54277001
Content		QU	
Squeeze Connector		75	50252552
Crimpseal II			
Sealing-/Protection Plugs		50	50282023
		50	50282028
		50	50282044
		50	50282053
		50	50282058
Repair Cable RepLine (Delphi Ducon 0,8 F)		5	51277201
Repair Cable RepLine (AMP Tyco JPT)		5	51277203
Repair Cable RepLine (AMP Tyco MQS)		5	51277207
Repair Cable RepLine (AMP Tyco MT II)		5	51277209
Repair Cable RepLine (AMP Tyco MQS)		5	51277211
Repair Cable RepLine (AMP Tyco MT II AMP Tyco MCP 1,5)		5	51277213
Repair Cable RepLine (AMP Tyco MCP 1,5)		5	51277214
		5	51277215
Repair Cable RepLine (AMP Tyco JPT)		5	51277216
Repair Cable RepLine (AMP Tyco MCP 2,8 Delphi DCK 2,8)		5	51277217
Repair Cable RepLine (AMP Tyco JPT AMP Tyco MCP 2,8)		5	51277220
Repair Cable RepLine (AMP Tyco MCP 6,3)		5	51277221005
Repair Cable (AMP Tyco SPT)		10	51277223
Repair Cable (AMP Tyco MCP 6,3 AMP Tyco SPT)		10	51277225
Repair Cable RepLine (AMP Tyco MCON 1,2)		5	51277228
Assortment Box		1	99994523
Universal Container		6	99994524
		1	99994534
Foam Insert, assortment box		1	99994540
Repair Cable RepLine (AMP Tyco MCP 6,3 AMP Tyco SPT)		5	51277225005
Repair Cable RepLine (AMP Tyco SPT)		5	51277223005
Accessories	see	DU	
Hot Air Dryer HeatGun	Katalog08	1	95920000
Gas Soldering Torch Burner	Katalog08	1	95921001
Crimping Pliers CrimPro 10	Katalog08	1	95942330
	Katalog08	1	95942331
Crimping Pliers Insert	Katalog81	1	95942347
Crimping Pliers CrimPro 30	Katalog08	1	95942164
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Assortment, fuses



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ATO Torpedo

Assortment, fuses

Rated current:
Fuse Type:

2 to 30 A
Standard Flat Fuse
Glass Fuse
Torpedo fuse



				Qty	DU	Article no.
				405	1	54295021
Content	Fuse Type	Rated current A	Colour	QU		
Assortment Box				1		99994509
Fuse	Glass Fuse	2		30		50295050
		5		10		50295005
		10		25		50295151
		15		25		50295152
		20		15		50295153
Fuse ATO	Standard Flat Fuse	5		10		50295405
		7,5		10		50295407
		10		50		50295410
		15		50		50295415
		20		25		50295420
		25		10		50295425
		30		25		50295430
Fuse Torpedo	Torpedo fuse	5		10		50295032
		8		50		50295034
		16		50		50295035
		25		10		50295036



ATO Torpedo

Assortment, fuses

Rated current:
Fuse Type:

1 to 40 A
Standard Flat Fuse
Torpedo fuse



				Qty	DU	Article no.
				354	1	54295011
Content	Fuse Type	Rated current A	Colour	QU		
Assortment Box				1		99994509
Fuse ATO	Standard Flat Fuse	1	●	10		50295401
		2	●	10		50295402
		3	●	25		50295403
		5	●	25		50295405
		7,5	●	25		50295407
		10	●	25		50295410
		15	●	25		50295415
		20	●	25		50295420
		25	●	25		50295425
		30	●	25		50295430
		40	●	25		50295440
Fuse Torpedo	Torpedo fuse	5	●	25		50295032
		8	●	25		50295034
		16	●	25		50295035
		25	●	25		50295036
Fuse Holder	for standard plug-in			6		50290093
Gripping Pliers, lock	for standard plug-in fuse for mini-blade plug-in fuse for low profile mini			3		90942403

ATO MINI MAXI

Assortment, fuses

Rated current:
Fuse Type:

3 to 80 A
Standard Flat Fuse
Mini-Flat Fuse
Maxi-Flat Fuse



				Qty	DU	Article no.
				478	1	54296212
Content		Rated current A	Colour	QU		
Assortment Box				1		99994509
Fuse MAXI	Maxi-Flat Fuse	30	●	5		50295543
		40	●	5		50295544
		50	●	5		50295545
		60	●	5		50295546
		80	●	5		50295548
Fuse MINI	Mini-Flat Fuse	5	●	50		50295775
		7,5	●	50		50295776
		10	●	50		50295777
		15	●	50		50295778
		20	●	50		50295779
		25	●	50		50295780
Fuse ATO	Standard Flat Fuse	5	●	25		50295405
		7,5	●	25		50295407
		10	●	25		50295410
		15	●	25		50295415
		20	●	25		50295420
		30	●	25		50295430
Gripping Pliers, lock	for standard plug-in fuse for mini-blade plug-in fuse for max-blade plug-in fuse			3		90942401



MINI

Assortment, fuses

Rated current: 3 to 30 A
Fuse Type: Mini-Flat Fuse
DIN/ISO: 72581/3F



				Qty	DU	Article no.
				111	1	54295570
Content	Fuse Type	Rated current A	Colour	QU		
Assortment Box				1	99994508	
Fuse MINI	Mini-Flat Fuse	3		10	50295773	
		5		10	50295775	
		7,5		10	50295776	
		10		20	50295777	
		15		20	50295778	
		20		20	50295779	
		25		10	50295780	
		30		10	50295781	
Gripping Pliers, lock	for standard plug-in fuse for mini-blade plug-in fuse for low profile mini			1	90942403	

MICRO2 MICRO3

Assortment, fuses

Rated current: 5 to 30 A
Fuse Type: Micro blade fuse



All the parts included can be reordered separately if necessary. For this purpose, the article numbers were added to the product range as

inlays. The refill packs fit into the respective compartment in the box.

				Qty	DU	Article no.
				110	1	54295640
Content		Rated current A	Colour	QU		
Assortment Box				1	99994508	
Fuse MICRO2	Micro blade fuse	5		10	50295645	
Fuse MICRO3				10	50295665	
		7,5		10	50295666	
Fuse MICRO2				10	50295646	
		10		10	50295647	
Fuse MICRO3				10	50295667	
		15		10	50295668	
				10	50295648	
Fuse MICRO2		20		10	50295649	
		25		10	50295650	
		30		10	50295651	

Low Profile MINI

Low Profile JCase

Assortment, fuses

Rated current:

5 to 60 A

Fuse Type:

Low profile mini blade fuse

Low profile block fuse



				Qty	DU	Article no.
				95	1	54295040
Content	Fuse Type	Rated current A	Colour	QU		
Assortment Box				1	99994508	
Fuse Low Profile JCase	Block Fuse	20		5	50295330	
		30		5	50295332	
		40		5	50295333	
		50		5	50295334	
		60		5	50295335	
Fuse Low Profile MINI	Low profile mini blade fuse	5		10	50295793	
		7,5		10	50295794	
		10		10	50295795	
		15		10	50295796	
		20		10	50295797	
		25		10	50295798	
		30		10	50295799	

MAXI

Assortment, fuses

Rated current:

20 to 100 A

Fuse Type:

Maxi-Flat Fuse



				Qty	DU	Article no.
				24	1	54295540
Content	Fuse Type	Rated current A	Colour	QU		
Assortment Box				1	99994508	
Fuse MAXI	Maxi-Flat Fuse	20		2	50295542	
		30		4	50295543	
		40		4	50295544	
		50		4	50295545	
		60		4	50295546	
		70		2	50295547	
		80		2	50295548	
		100		2	50295550	



Assortment, automatic circuit breakers

ATO

Assortment, automatic circuit breakers

Rated current: 7,5 to 25 A
Fuse Type: Standard Automatic Circuit Breaker
 for standard plug-in fuse
DIN/ISO: 72581/3C
Operating Mode: Manual (hand operated)



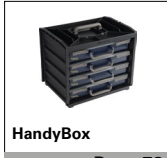
Replacing the normal melting fuses with automatic fuses removes the need to constantly replace burned out fuses. Ideal for troubleshooting! Pressing the reset button closes the circuit and continues the

troubleshooting. The circuit can be manually broken and reconnected at any time. By preventing light arcs from forming, worn contacts, melted sockets or defective fuse boxes can be prevented.

				Qty	DU	Article no.
				5	1	54295060
Content	Fuse Type	Rated current A	Colour	QU		
Automatic Circuit Breaker ATO	for standard plug-in fuse	7,5	●	1	50295922	
		10	●	1	50295923	
		15	●	1	50295924	
		20	●	1	50295926	
		25	○	1	50295927	

Assortment Box

						
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Assortment Box



Material:	Plastic	WxHxD:	175 x 32 x 143 mm
Drawers	DU	Article no.	
7	1	99994518	

Assortment Box



Material:	Plastic	WxHxD:	240 x 43 x 195 mm
Drawers	DU	Article no.	
9	1	99994521	

Assortment Box



Material:	Plastic	WxHxD:	175 x 32 x 143 mm
Drawers	DU	Article no.	
12	1	99994508	



Assortment Box



Material: Plastic **WxHxD:** 338 x 57 x 260 mm

Drawers	DU	Article no.
15	1	99994522
Accessories	see	DU
Frame, assortment box HandyBox	Page 72	1 99994532

Assortment Box



Material: Plastic **WxHxD:** 240 x 43 x 195 mm

Drawers	DU	Article no.
18	1	99994509

Assortment Box



Material: Plastic **Info:** without reservoir
WxHxD: 338 x 57 x 260 mm

Drawers	DU	Article no.
32	1	99994523
Accessories	see	DU
Universal Container	Page 72	1 99994524
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Frame, assortment box HandyBox	Page 72	1 99994532

Assortment Box



Material: Plastic **WxHxD:** 338 x 57 x 260 mm

Drawers	DU	Article no.
32	1	99994507
Accessories	see	DU
Frame, assortment box HandyBox	Page 72	1 99994532

Assortment Box



WxHxD: 338 x 57 x 260 mm

Drawers	DU	Article no.
17	1	99994526
Accessories	see	DU
Frame, assortment box HandyBox	Page 72	1 99994532

HandyBox

Frame, assortment box



WxHxD:

376 x 310 x 265 mm

Info:

with handle

Drawers	DU	Article no.
4	1	99994532

HandyBox

Frame, assortment box



WxHxD:

376 x 310 x 265 mm

Info:

with assortment box
with handle

Drawers	DU	Article no.
4	1	99994533
Content	QU	
Frame, assortment box HandyBox	1	99994532
Assortment Box	1	99994525
	4	99994526

Universal Container



Material:

Plastic

Info:

with lid

WxHxD:

73 x 35 x 73 mm

	DU	Article no.
	1	99994253

Universal Container



Material:

PP (Polypropylene)

WxHxD:

55 x 47 x 39 mm

	DU	Article no.
	1	99994524
for article number 99994523		





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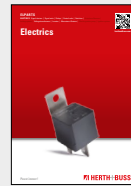
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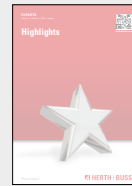
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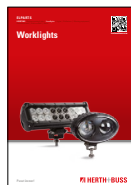
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