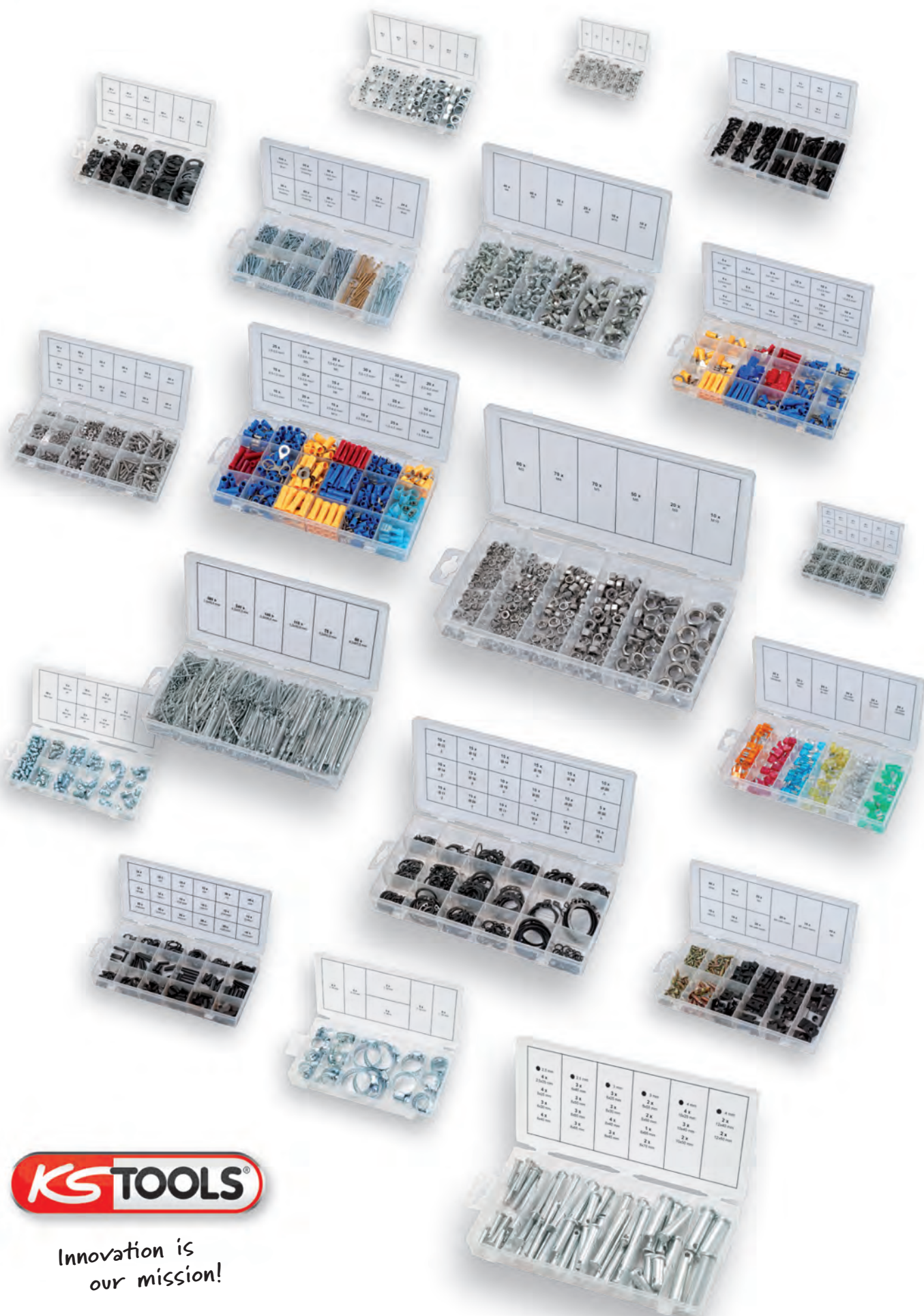


# K15

**KS TOOLS®**

# DIN AND STANDARD PARTS RANGES



**KS TOOLS®**

Innovation is  
our mission!



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# DIN AND VARIOUS CONSUMABLE ASSORTMENTS

## Advantages

- Very extensive range (from screws to O rings)
- For industry, automotive and plumbing
- Quick amortisation, as no looking for a long time in the event of a repair
- The range is determined based on the products most often required



Mini fuses



Automotive fuses



Glass fuses



Crimp connectors



Crimp connectors



Shrink tubing



Lockrings, internal



Lockrings, external



Lockrings, internal and external



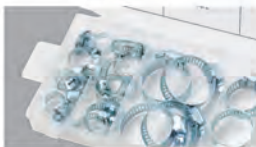
Electric circlips



Electric circlips SAE



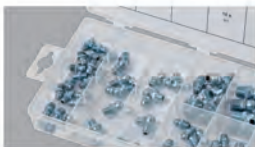
Hose clamp



Grease nipples



Grease nipples, imperial



Split pins



Split pins



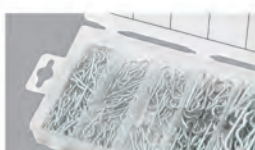
Hollow roll pin



Safety bolts



Spring split pins



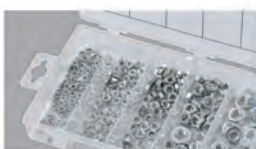
Roll pin / Seeger ring / feather keys / electric circlips



Springs



Nuts, metric



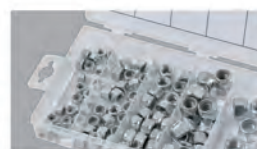
Stainless steel nuts, metric



Self-locking nuts



UNC self-tightening nuts

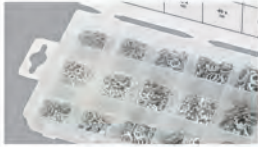




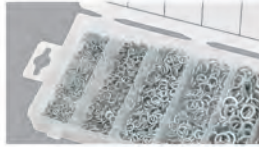
UNF self-tightening nuts



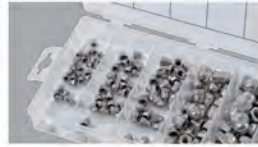
Lock and ring washers



Spring rings



Stainless steel cap nuts



O-rings



Wing nuts



Headless screw, metric



Hexagon screws



Ball head machine screws



O-rings SAE



Blind rivets



Rubber grommets



Bodywork nuts + screws



Self-tapping, wooden and machine screws



Metal and wooden screws



Ball head Parker screws



Wood screws



Clip bolts and eyebolts



Copper washers



Nails



O-rings



O-rings for HNBR air conditioning



O-rings for HNBR air conditioning



Copper washers



Oil pan screws and washers



Plumbing washers

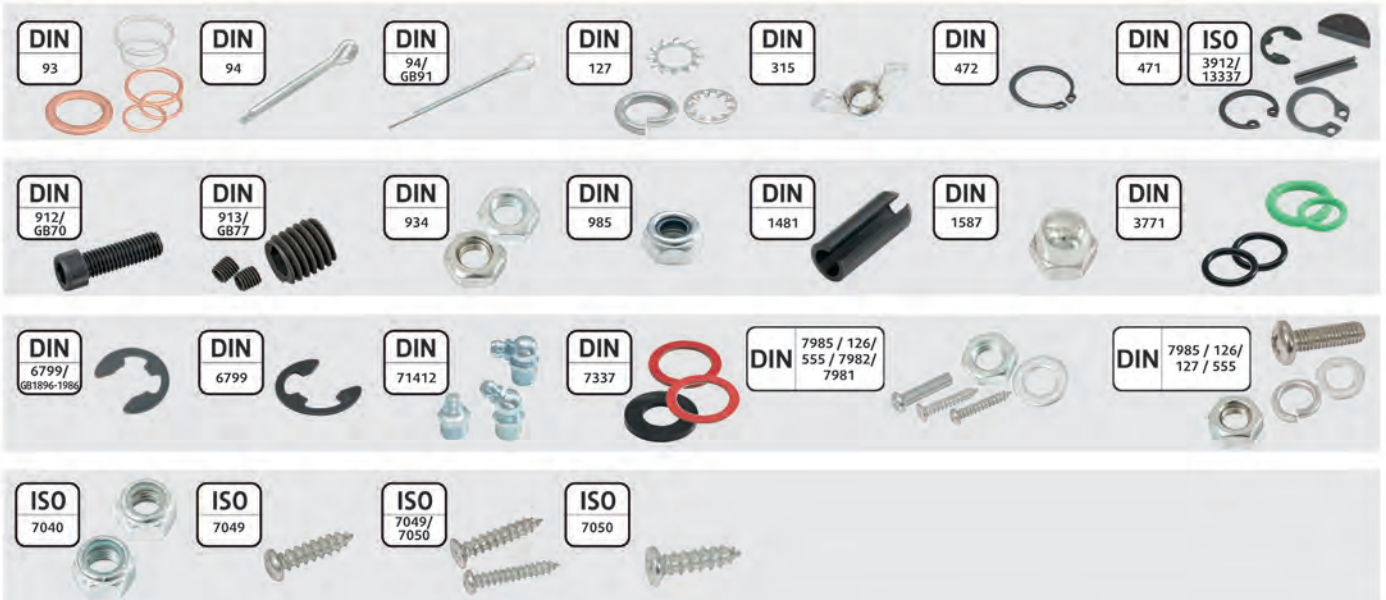


**Workshop**  
assortment

Aluminium washers



## DIN / ISO



## FUSES

### Automotive mini fuses assortment

- According to ISO 8820-3
- Fuses colour-coded according to ampere sizes
- In plastic storage case



970.0280 120 pcs Automotive mini fuses assortment 140			
20 x		5 A / ISO 8820-3	
20 x		10 A / ISO 8820-3	
20 x		15 A / ISO 8820-3	
20 x		20 A / ISO 8820-3	
20 x		25 A / ISO 8820-3	
20 x		30 A / ISO 8820-3	

### Automotive fuses assortment

- According to ISO 8820-3
- Fuses colour-coded according to ampere sizes
- In plastic storage case



970.0250 120 pcs Automotive fuses assortment 210			
20 x		5 A / ISO 8820-3	
20 x		10 A / ISO 8820-3	
20 x		15 A / ISO 8820-3	
20 x		20 A / ISO 8820-3	
20 x		25 A / ISO 8820-3	
20 x		30 A / ISO 8820-3	

### Glass fuses assortment

- Trigger characteristics: Idle
- In plastic storage case



970.0270 120 pcs Glass fuses assortment 220			
20 x		5 A	
20 x		10 A	
20 x		15 A	
20 x		20 A	
20 x		25 A	
20 x		30 A	

## CABLE SPLICES

### Crimp connectors assortment

- Suitable for wire cross sections: Red 0.5-1.5 mm<sup>2</sup>, blue 1.5-2.5 mm<sup>2</sup>, yellow 2.5-6.0 mm<sup>2</sup>
- In plastic storage case



970.0290 160 pcs Crimp connectors assortment 240			
12 x		0,5-1,5 mm <sup>2</sup>	
18 x		1,5-2,5 mm <sup>2</sup>	
20 x		1,5-2,5 mm <sup>2</sup>	
12 x		2,5-6,0 mm <sup>2</sup>	
8 x		0,5-1,5 mm <sup>2</sup> M4	
10 x		1,5-2,5 mm <sup>2</sup> M4	
10 x		1,5-2,5 mm <sup>2</sup> M5	
10 x		1,5-2,5 mm <sup>2</sup> M6	
4 x		2,5-6,0 mm <sup>2</sup> M5	

4 x		2,5-6,0 mm <sup>2</sup> M8
4 x		2,5-6,0 mm <sup>2</sup> M10
10 x		1,5-2,5 mm <sup>2</sup>
5 x		2,5-6,0 mm <sup>2</sup>
10 x		1,5-2,5 mm <sup>2</sup>
5 x		2,5-6,0 mm <sup>2</sup>
10 x		1,5-2,5 mm <sup>2</sup> M4
4 x		0,5-1,5 mm <sup>2</sup>
4 x		1,5-2,5 mm <sup>2</sup>

### Crimp connectors assortment

- Suitable for wire cross sections: Red 0.5-1.5 mm<sup>2</sup>, blue 1.5-2.5 mm<sup>2</sup>, yellow 2.5-6.0 mm<sup>2</sup>
- In plastic storage case





970.0300 360 pcs Crimp connectors assortment 440			
10 x		0,5-1,5 mm <sup>2</sup>	
30 x		0,5-1,5 mm <sup>2</sup>	
30 x		1,5-2,5 mm <sup>2</sup>	
10 x		1,5-2,5 mm <sup>2</sup>	
15 x		2,5-6,0 mm <sup>2</sup>	
30 x		1,5-2,5 mm <sup>2</sup> M5	
20 x		1,5-2,5 mm <sup>2</sup> M6	
20 x		1,5-2,5 mm <sup>2</sup> M10	
20 x		2,5-6,0 mm <sup>2</sup> M5	
15 x		2,5-6,0 mm <sup>2</sup> M6	
15 x		2,5-6,0 mm <sup>2</sup> M10	
25 x		1,5-2,5 mm <sup>2</sup>	
25 x		1,5-2,5 mm <sup>2</sup>	
30 x		1,5-2,5 mm <sup>2</sup> M5	
20 x		2,5-6,0 mm <sup>2</sup> M5	
25 x		1,5-2,5 mm <sup>2</sup>	
10 x		1,5-2,5 mm <sup>2</sup>	
10 x		1,5-2,5 mm <sup>2</sup>	



### Branch connectors assortment

- Suitable for wire cross sections: Red 0.5-1.5 mm<sup>2</sup>, blue 1.5-2.5 mm<sup>2</sup>
- In plastic storage case



970.0570			
50 pcs	Branch connectors assortment	140	
25 x		0,5-1,5 mm <sup>2</sup>	
25 x		1,5-2,5 mm <sup>2</sup>	










### SHRINK TUBING

#### Shrink-on tubes assortment

- Shrinkage ratio 2:1
- In plastic storage case









970.0230			
127 pcs	Shrink-on tubes assortment	100	
30 x		2,0x40 mm	
25 x		2,5x40 mm	
20 x		3,5x40 mm	
20 x		5,0x40 mm	
16 x		7,0x80 mm	
8 x		10,0x80 mm	
8 x		13,0x85 mm	

### Shrink tubing assortment

- Shrinkage ratio 2:1
- In plastic storage case














970.0540			
100 pcs	Shrink tubing assortment	100	
30 x		1,5x100 mm	
30 x		2,5x100 mm	
20 x		4,0x100 mm	
10 x		6,0x100 mm	
6 x		10,0x100 mm	
4 x		13,0x100 mm	








### SNAP RINGS

#### Snap rings assortment, internal

- in accordance with DIN 472
- In plastic storage case





















970.0090			
180 pcs	Snap rings assortment, internal	180	
15 x		Ø 3 mm / DIN 472	
10 x		Ø 4 mm / DIN 472	
10 x		Ø 5 mm / DIN 472	
15 x		Ø 6 mm / DIN 472	
10 x		Ø 8 mm / DIN 472	
15 x		Ø 10 mm / DIN 472	
10 x		Ø 11 mm / DIN 472	
10 x		Ø 12 mm / DIN 472	
10 x		Ø 13 mm / DIN 472	
10 x		Ø 14 mm / DIN 472	
10 x		Ø 16 mm / DIN 472	

10 x		Ø 19 mm / DIN 472
10 x		Ø 20 mm / DIN 472
8 x		Ø 22 mm / DIN 472
8 x		Ø 25 mm / DIN 472
8 x		Ø 26 mm / DIN 472
6 x		Ø 28 mm / DIN 472
5 x		Ø 32 mm / DIN 472

#### Snap rings assortment, external

- in accordance with DIN 471
- In plastic storage case



970.0100			
300 pcs	Snap rings assortment, external	290	
20 x		Ø 3 mm / DIN 471	
10 x		Ø 4 mm / DIN 471	
15 x		Ø 5 mm / DIN 471	
25 x		Ø 6 mm / DIN 471	
15 x		Ø 8 mm / DIN 471	
20 x		Ø 9 mm / DIN 471	
15 x		Ø 11 mm / DIN 471	
15 x		Ø 12 mm / DIN 471	
25 x		Ø 13 mm / DIN 471	
15 x		Ø 14 mm / DIN 471	
20 x		Ø 16 mm / DIN 471	
25 x		Ø 19 mm / DIN 471	
15 x		Ø 20 mm / DIN 471	
20 x		Ø 22 mm / DIN 471	
15 x		Ø 25 mm / DIN 471	
15 x		Ø 26 mm / DIN 471	
10 x		Ø 28 mm / DIN 471	
5 x		Ø 32 mm / DIN 471	





### Snap rings assortment, external & internal

- In accordance with DIN 471/472
- In plastic storage case



970.0310 225 pcs Snap rings assortment, external & internal 240		
15 x		Ø 6 mm / DIN 471
15 x		Ø 8 mm / DIN 471
15 x		Ø 9 mm / DIN 471
15 x		Ø 11 mm / DIN 471
15 x		Ø 13 mm / DIN 471
15 x		Ø 14 mm / DIN 471
15 x		Ø 16 mm / DIN 471
15 x		Ø 19 mm / DIN 471
10 x		Ø 20 mm / DIN 471
10 x		Ø 22 mm / DIN 471
10 x		Ø 25 mm / DIN 471
5 x		Ø 32 mm / DIN 471
15 x		Ø 11 mm / DIN 472
10 x		Ø 13 mm / DIN 472
10 x		Ø 14 mm / DIN 472
15 x		Ø 16 mm / DIN 472
10 x		Ø 19 mm / DIN 472
10 x		Ø 20 mm / DIN 472

### E-RING CIRCLIPS

#### E-Ring circlips assortment

- In accordance with DIN 6399
- In plastic storage case



970.0110 300 pcs E-Ring circlips assortment 460		
30 x		Ø 1,5 mm / DIN 6399
30 x		Ø 3,0 mm / DIN 6399
40 x		Ø 5,0 mm / DIN 6399
50 x		Ø 6,0 mm / DIN 6399
50 x		Ø 10,0 mm / DIN 6399
40 x		Ø 12,0 mm / DIN 6399
20 x		Ø 15,0 mm / DIN 6399
20 x		Ø 19,0 mm / DIN 6399
20 x		Ø 22,0 mm / DIN 6399

#### SAE E-Ring circlips assortment

- In accordance with DIN 6799
- In plastic storage case



970.0320 300 pcs SAE E-Ring circlips assortment 460		
30 x		1/16" / DIN 6799
30 x		1/8" / DIN 6799
40 x		3/16" / DIN 6799
50 x		1/4" / DIN 6799
50 x		3/8" / DIN 6799
40 x		1/2" / DIN 6799
20 x		5/8" / DIN 6799
20 x		3/4" / DIN 6799
20 x		7/8" / DIN 6799

### HOSE CLAMPS

#### Hose clamp assortment

- Suitable for tube diameters 16-40mm
- In plastic storage case



970.0070 26 pcs Hose clamp assortment 300		
8 x		Ø 16 mm
6 x		Ø 22 mm
4 x		Ø 25 mm
2 x		Ø 28 mm
2 x		Ø 35 mm
4 x		Ø 40 mm

### GREASE NIPPLES

#### Grease nipple assortment

- In accordance with DIN 71412
- In plastic storage case



970.0030 110 pcs Grease nipple assortment 500		
60 x		M6 x1 mm / DIN 71412
10 x		M8 x1 mm / DIN 71412
10 x		M10x1 mm / DIN 71412
5 x		M6 x1 mm/45° / DIN 71412
5 x		M8 x1 mm/45° / DIN 71412
5 x		M10x1 mm/45° / DIN 71412
5 x		M6 x1 mm/90° / DIN 71412
5 x		M8 x1 mm/90° / DIN 71412
5 x		M10x1 mm/90° / DIN 71412



## Greasing nipples assortment, metric & imperial

- In plastic storage case



970.0360 70 pcs Greasing nipples assortment, metric & imperial 420			
20 x		1/8"x27,0 mm	/ DIN 71412
10 x		1/4"x28,0 mm	/ DIN 71412
10 x		6x 1,0 mm	/ DIN 71412
5 x		8x 1,0 mm	/ DIN 71412
5 x		10x 1,0 mm	/ DIN 71412
5 x		1/8"x27,0 mm/45°	/ DIN 71412
5 x		1/4"x28,0 mm/45°	/ DIN 71412
5 x		1/8"x27,0 mm/90°	/ DIN 71412
5 x		1/4"x28,0 mm/90°	/ DIN 71412

## SAFETY ELEMENTS

### Split pins assortment

- in accordance with DIN 94
- Straight design
- In plastic storage case



970.0080 555 pcs Split pins assortment 700			
150 x		1,6x25 mm / DIN 94	
150 x		2,4x25 mm / DIN 94	
100 x		2,4x38 mm / DIN 94	
75 x		3,2x32 mm / DIN 94	
50 x		3,2x50 mm / DIN 94	
30 x		4,0x64 mm / DIN 94	

## Split pins assortment

- in accordance with DIN 94
- Straight design
- In plastic storage case



970.0330 1000 pcs Split pins assortment 1.18			
380 x		1,5x25 mm / DIN 94	
240 x		2,5x25 mm / DIN 94	
140 x		2,5x38 mm / DIN 94	
115 x		3,0x30 mm / DIN 94	
75 x		3,0x50 mm / DIN 94	
50 x		4,0x60 mm / DIN 94	



## Roll pins assortment

- in accordance with DIN 1481
- Ideally suited for the automotive sector
- In plastic storage case



970.0020 315 pcs Roll pins assortment 810			
10 x		1,5x 5,0 mm / DIN 1481	
10 x		1,5x 8,0 mm / DIN 1481	
10 x		1,5x20,0 mm / DIN 1481	
10 x		2,0x 6,0 mm / DIN 1481	
10 x		2,0x12,0 mm / DIN 1481	
10 x		2,0x25,0 mm / DIN 1481	
10 x		2,5x16,0 mm / DIN 1481	
10 x		2,5x25,0 mm / DIN 1481	
10 x		2,5x30,0 mm / DIN 1481	
15 x		3,0x16,0 mm / DIN 1481	
15 x		3,0x25,0 mm / DIN 1481	
15 x		3,0x30,0 mm / DIN 1481	
10 x		4,0x16,0 mm / DIN 1481	
10 x		4,0x25,0 mm / DIN 1481	
10 x		4,0x40,0 mm / DIN 1481	
15 x		5,0x16,0 mm / DIN 1481	
15 x		5,0x25,0 mm / DIN 1481	
15 x		5,0x30,0 mm / DIN 1481	
10 x		5,5x16,0 mm / DIN 1481	
10 x		5,5x30,0 mm / DIN 1481	
10 x		5,5x45,0 mm / DIN 1481	
10 x		6,0x16,0 mm / DIN 1481	
10 x		6,0x30,0 mm / DIN 1481	
10 x		6,0x45,0 mm / DIN 1481	
10 x		8,0x20,0 mm / DIN 1481	
10 x		8,0x40,0 mm / DIN 1481	
10 x		8,0x50,0 mm / DIN 1481	
5 x		10,0x20,0 mm / DIN 1481	
5 x		10,0x40,0 mm / DIN 1481	
5 x		10,0x50,0 mm / DIN 1481	

### Security bolts assortment

- Split pin mounting 2.5 - 3 - 4 mm
- In plastic storage case



970.0210 60 pcs Security bolts assortment 1050			
4 x		2.5 mm	5,0x25 mm
4 x		2.5 mm	6,0x25 mm
3 x		2.5 mm	6,0x30 mm
4 x		2.5 mm	6,0x40 mm
3 x		2.5 mm	6,0x45 mm
3 x		2.5 mm	6,0x50 mm
3 x		2.5 mm	6,0x60 mm
3 x		2.5 mm	6,0x65 mm
3 x		3.0 mm	8,0x25 mm
3 x		3.0 mm	8,0x30 mm
4 x		3.0 mm	8,0x40 mm
3 x		3.0 mm	8,0x45 mm
2 x		3.0 mm	8,0x50 mm
2 x		3.0 mm	8,0x60 mm
1 x		3.0 mm	8,0x65 mm
2 x		3.0 mm	8,0x70 mm
4 x		4.0 mm	10x25 mm
3 x		4.0 mm	10x40 mm
2 x		4.0 mm	10x50 mm
2 x		4.0 mm	12x40 mm
2 x		4.0 mm	12x50 mm



### Lynch pins assortment

- For securing to agricultural and construction machines
- In plastic storage case



970.0550 50 pcs Lynch pins assortment 1.40			
16 x		Ø 4,5x36 mm	
18 x		Ø 6,0x45 mm	
6 x		Ø 8,0x45 mm	
10 x		Ø 11,0x45 mm	

### Spring split pins assortment

- In accordance with DIN 11024
- Fuse element in machine and vehicle construction
- In plastic storage case



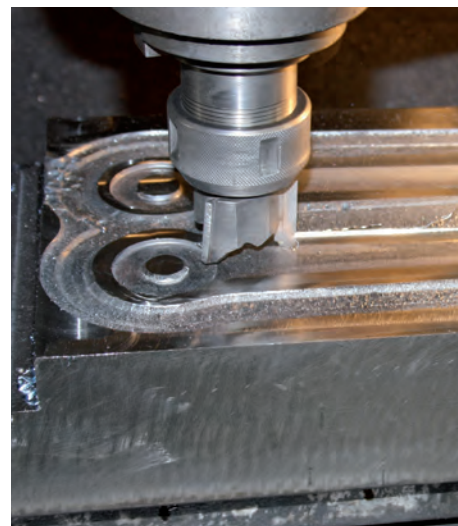
970.0060 150 pcs Spring split pins assortment 520			
30 x		2,0x33 mm / DIN 11024	
25 x		2,0x40 mm / DIN 11024	
42 x		2,4x31 mm / DIN 11024	
25 x		2,8x42 mm / DIN 11024	
20 x		3,5x45 mm / DIN 11024	
8 x		4,0x75 mm / DIN 11024	

### Roll pins/Seeger rings/ feather keys/E-Ring circlips assortment

- In accordance with DIN 471
- According to ISO 3912/13337
- In plastic storage case



970.0520 295 pcs Roll pins/Seeger rings/ feather keys/E-Ring circlips assortment 440			
12 x		3/8" / DIN 471	
12 x		1/2" / DIN 471	
12 x		5/8" / DIN 471	
12 x		3/4" / DIN 471	
20 x		1/4"	
20 x		3/8"	
12 x		1/8"x5/8" / ISO 13337	
12 x		1/8"x 1" / ISO 13337	
12 x		5/32"x5/8" / ISO 13337	
12 x		5/32"x 1" / ISO 13337	
12 x		3/16"x5/8" / ISO 13337	
12 x		3/16"x 1" / ISO 13337	
25 x		3/32"x3/8" / ISO ISO3912	
25 x		3/32"x1/2" / ISO ISO3912	
25 x		1/8"x1/2" / ISO ISO3912	
25 x		1/8"x5/8" / ISO ISO3912	
25 x		5/32"x5/8" / ISO ISO3912	
10 x		3/16"x3/4" / ISO ISO3912	





## Feather keys assortment

- For securing of shafts
- In plastic storage case



970.0560 80 pcs Feather keys assortment 320			
10 x		3x5,0x13 mm	
10 x		3x6,5x16 mm	
10 x		4x5,0x13 mm	
10 x		4x6,5x16 mm	
10 x		4x7,5x19 mm	
10 x		5x7,5x19 mm	
10 x		5x9,0x22 mm	
10 x		6x9,0x22 mm	

## Springs assortment

- Range of compression and tension springs
- In plastic storage case



970.0010 200 pcs Springs assortment 370			
12 x		4,0x79,5 mm	
8 x		4,5x44,5 mm	
10 x		5,0x20,5 mm	
10 x		5,5x25,5 mm	
10 x		6,5x22,0 mm	
10 x		7,0x38,0 mm	

12 x		7,0x51,0 mm	
8 x		8,0x28,5 mm	
10 x		8,0x31,5 mm	
12 x		8,0x44,5 mm	
12 x		8,5x36,5 mm	
12 x		8,5x47,0 mm	
10 x		5,5x17,0 mm	
10 x		5,5x38,0 mm	
10 x		6,5x10,0 mm	
10 x		7,0x12,5 mm	
10 x		7,0x19,0 mm	
10 x		9,0x35,0 mm	
10 x		9,5x16,0 mm	
12 x		9,5x19,0 mm	



## NAILS

### Nails assortment

- ideal for hobbies and workshops
- In plastic storage case



970.0370 550 pcs Nails assortment 400			
100 x		1,3x22 mm	
80 x		1,4x25 mm	
80 x		1,6x30 mm	
50 x		2,0x38 mm	
20 x		2,5x50 mm	
80 x		1,6x25 mm	
80 x		1,6x31 mm	
30 x		2,0x38 mm	
30 x		2,5x30 mm	

## SCREWS/NUTS/RING WASHERS

### Metal & wooden screws assortment, self-tapping

- According to ISO 7049/7050
- In plastic storage case













970.0410 240 pcs Metal & wooden screws assortment, self-tapping 360			
20 x		#4x1/2" / ISO 7049	
20 x		#6x1/2" / ISO 7049	
20 x		#6x5/8" / ISO 7049	
20 x		#6x3/4" / ISO 7049	
20 x		#8x5/8" / ISO 7049	
20 x		#8x 1" / ISO 7049	
20 x		#6x1/2" / ISO 7050	
20 x		#6x3/4" / ISO 7050	
20 x		#8x1/2" / ISO 7050	
20 x		#8x5/8" / ISO 7050	
20 x		#8x3/4" / ISO 7050	
20 x		#10x 1" / ISO 7050	

### Ball head Parker screws assortment

- In accordance with ISO 7049
- In plastic storage case
















970.0420 550 pcs Ball head Parker screws assortment 720			
65 x		#4x 1/2" / ISO 7049	
55 x		#4x 5/8" / ISO 7049	
60 x		#6x 3/8" / ISO 7049	

65 x		#6x 1/2" / ISO 7049
60 x		#6x 5/8" / ISO 7049
45 x		#6x 3/4" / ISO 7049
50 x		#8x 1/2" / ISO 7049
40 x		#8x 5/8" / ISO 7049
30 x		#8x 1" / ISO 7049
20 x		#8x1.1/4" / ISO 7049
25 x		#10x 3/4" / ISO 7049
20 x		#10x 1" / ISO 7049
15 x		#10x1.1/4" / ISO 7049

#### Wooden screws assortment

- In accordance with ISO 7050
- In plastic storage case
















970.0430 550 pcs Wooden screws assortment 640			
65 x		#4x 1/2" / ISO 7050	
55 x		#4x 5/8" / ISO 7050	
60 x		#6x 3/8" / ISO 7050	
65 x		#6x 1/2" / ISO 7050	
60 x		#6x 5/8" / ISO 7050	
45 x		#6x 3/4" / ISO 7050	
50 x		#8x 1/2" / ISO 7050	
40 x		#8x 5/8" / ISO 7050	
30 x		#8x 1" / ISO 7050	
20 x		#8x1.1/4" / ISO 7050	
25 x		#10x 3/4" / ISO 7050	
20 x		#10x 1" / ISO 7050	
15 x		#10x1.1/4" / ISO 7050	



#### Self-tapping/wooden/machine screws assortment

- In accordance with DIN 7985/126/555/7981/7982
- In plastic storage case









970.0500 347 pcs Self-tapping/wooden/machine screws assortment 480			
32 x		M3,5x12,0 mm / DIN 7981	
26 x		M3,5x20,0 mm / DIN 7981	
13 x		M5 x25,0 mm / DIN 7981	
24 x		M5 x20,0 mm / DIN 7985	
19 x		M5 x25,0 mm / DIN 7985	
10 x		M6 x20,0 mm / DIN 7985	
43 x		M3 x12,0 mm / DIN 7982	
32 x		M3,5x20,0 mm / DIN 7982	
10 x		M4 x25,0 mm / DIN 7982	
59 x		M5 / DIN 126	
19 x		M6 / DIN126	
49 x		M5 / DIN 555	
11 x		M6 / DIN 555	

#### Nuts assortment, metric

- In accordance with DIN 934
- In plastic storage case









970.0440 300 pcs Nuts assortment, metric 420			
80 x		M3 / DIN 934	
70 x		M4 / DIN 934	
70 x		M5 / DIN 934	
50 x		M6 / DIN 934	
20 x		M8 / DIN 934	
10 x		M10 / DIN 934	

#### Stainless steel nuts assortment, metric

- In accordance with DIN 934
- In plastic storage case









970.0450 300 pcs Stainless steel nuts assortment, metric 460			
80 x		M3 / DIN 934	
70 x		M4 / DIN 934	
70 x		M5 / DIN 934	
50 x		M6 / DIN 934	
20 x		M8 / DIN 934	
10 x		M10 / DIN 934	

#### Self locking nuts assortment

- In accordance with DIN 985
- In plastic storage case



970.0120 146 pcs Self locking nuts assortment 560			
35 x		M4 / DIN 985	
35 x		M5 / DIN 985	
25 x		M6 / DIN 985	
25 x		M8 / DIN 985	
16 x		M10 / DIN 985	
10 x		M12 / DIN 985	



### UNC self-tightening nuts assortment

- In accordance with ISO 7040
- In plastic storage case



### Toothed and standard washers assortment

- In accordance with DIN 127
- In plastic storage case

### Spring washers assortment

- In accordance with DIN 127
- In plastic storage case



970.0480 100 pcs UNC self-tightening nuts assortment				600
25 x		#10x24 mm / ISO 7040		
25 x		1/4"x20 mm / ISO 7040		
20 x		5/16"x18 mm / ISO 7040		
20 x		3/8"x16 mm / ISO 7040		
5 x		7/16"x14 mm / ISO 7040		
5 x		1/2"x13 mm / ISO 7040		



970.0220 1200 pcs Spring washers assortment				480
300 x		M3 / DIN 127		
300 x		M4 / DIN 127		
300 x		M5 / DIN 127		
150 x		M6 / DIN 127		
100 x		M8 / DIN 127		
50 x		M10 / DIN 127		

### UNF self-tightening nuts assortment

- In accordance with ISO 7040
- In plastic storage case



970.0240 720 pcs Toothed and standard washers assortment				270
50 x		M3 / DIN 127		
50 x		M4 / DIN 127		
50 x		M5 / DIN 127		
40 x		M6 / DIN 127		
30 x		M8 / DIN 127		
20 x		M10 / DIN 127		
50 x		M3 / DIN 127		
50 x		M4 / DIN 127		
50 x		M5 / DIN 127		
40 x		M6 / DIN 127		
30 x		M8 / DIN 127		
20 x		M10 / DIN 127		
50 x		M3 / DIN 127		
50 x		M4 / DIN 127		
50 x		M5 / DIN 127		
40 x		M6 / DIN 127		
30 x		M8 / DIN 127		
20 x		M10 / DIN 127		
50 x		M3 / DIN 127		
50 x		M4 / DIN 127		
50 x		M5 / DIN 127		
40 x		M6 / DIN 127		
30 x		M8 / DIN 127		
20 x		M10 / DIN 127		

### Clip bolts & eyebolts assortment

- Open and closed
- In plastic storage case



970.0490 100 pcs UNF self-tightening nuts assortment				600
25 x		#10x32 mm / ISO 7040		
25 x		1/4"x28 mm / ISO 7040		
20 x		5/16"x24 mm / ISO 7040		
20 x		3/8"x24 mm / ISO 7040		
5 x		7/16"x20 mm / ISO 7040		
5 x		1/2"x20 mm / ISO 7040		

970.0380 151 pcs Clip bolts & eyebolts assortment				580
60 x		15/16"		
12 x		1.13/16"		
12 x		1.15/16"		
50 x		1.5/8"		
12 x		2.1/2"		
5 x		3.3/8"		





## BLIND RIVETS

### Blind rivets assortment

- Breakable pin made from steel
- In plastic storage case



970.0150 400 pcs Blind rivets assortment 250			
100 x		2,4 mm	
100 x		3,2 mm	
100 x		4,0 mm	
100 x		4,8 mm	

## GROMMETS

### Rubber grommets assortment

































- For secure guiding of cables into bore holes
- In plastic storage case



### O-rings assortment

- In accordance with DIN 3771
- In plastic storage case



































			970.0130		419 pcs	O-rings assortment	630
20 x		R01 Ø 3,0 mm / DIN 3771					
20 x		R02 Ø 4,4 mm / DIN 3771					
18 x		R03 Ø 5,0 mm / DIN 3771					
23 x		R04 Ø 7,0 mm / DIN 3771					
23 x		R05 Ø 10,0 mm / DIN 3771					
23 x		R06 Ø 13,0 mm / DIN 3771					
14 x		R07 Ø 10,0 mm / DIN 3771					
13 x		R08 Ø 11,0 mm / DIN 3771					
14 x		R09 Ø 13,0 mm / DIN 3771					
13 x		R10 Ø 14,0 mm / DIN 3771					
14 x		R11 Ø 16,0 mm / DIN 3771					
14 x		R12 Ø 18,0 mm / DIN 3771					
13 x		R13 Ø 19,0 mm / DIN 3771					
14 x		R14 Ø 21,0 mm / DIN 3771					
13 x		R15 Ø 22,0 mm / DIN 3771					
10 x		R16 Ø 18,0 mm / DIN 3771					
10 x		R17 Ø 20,0 mm / DIN 3771					
10 x		R18 Ø 22,0 mm / DIN 3771					
10 x		R19 Ø 23,5 mm / DIN 3771					
10 x		R20 Ø 25,0 mm / DIN 3771					
10 x		R21 Ø 26,5 mm / DIN 3771					
10 x		R22 Ø 28,0 mm / DIN 3771					
10 x		R23 Ø 30,0 mm / DIN 3771					
10 x		R24 Ø 31,0 mm / DIN 3771					
10 x		R25 Ø 33,0 mm / DIN 3771					
10 x		R26 Ø 34,5 mm / DIN 3771					
10 x		R27 Ø 36,0 mm / DIN 3771					
10 x		R28 Ø 38,0 mm / DIN 3771					
10 x		R29 Ø 41,0 mm / DIN 3771					
10 x		R30 Ø 44,0 mm / DIN 3771					
10 x		R31 Ø 47,0 mm / DIN 3771					
10 x		R32 Ø 50,0 mm / DIN 3771					

### SAE O-rings assortment

- ideal for hobbies and workshops
- In plastic storage case





















			970.0350		407 pcs	SAE O-rings assortment	580
20 x		R01 Ø 1/8"					
20 x		R02 Ø 3/16"					
20 x		R03 Ø 1/4"					
20 x		R04 Ø 5/16"					
20 x		R05 Ø 3/8"					
20 x		R06 Ø 1/2"					
13 x		R07 Ø 3/8"					
13 x		R08 Ø 7/16"					
13 x		R09 Ø 1/2"					
13 x		R10 Ø 9/16"					
13 x		R11 Ø 5/8"					
13 x		R12 Ø 1 1/16"					
13 x		R13 Ø 3/4"					
13 x		R14 Ø 13/16"					
13 x		R15 Ø 7/8"					
10 x		R16 Ø 3/4"					
10 x		R17 Ø 13/16"					
10 x		R18 Ø 7/8"					
10 x		R19 Ø 15/16"					
10 x		R20 Ø 1"					
10 x		R21 Ø 1.1/16"					
10 x		R22 Ø 1.1/8"					
10 x		R23 Ø 1.3/16"					
10 x		R24 Ø 1.1/4"					
10 x		R25 Ø 1.5/16"					
10 x		R26 Ø 1.3/8"					
10 x		R27 Ø 1.7/16"					
10 x		R28 Ø 1.1/2"					
10 x		R29 Ø 1.5/8"					
10 x		R30 Ø 1.3/4"					
10 x		R31 Ø 1.7/8"					
10 x		R32 Ø 2"					



### O-rings assortment for HNBR air-conditioning

- In accordance with DIN 3771
- Made from HNBR: Specially for use on air conditioning lines
- In plastic storage case



















			970.0260		225 pcs	O-rings assortment for HNBR air-conditioning	120
20 x		3,0x1,0 mm / DIN 3771					
20 x		4,0x1,0 mm / DIN 3771					
20 x		4,5x2,0 mm / DIN 3771					
20 x		5,0x2,0 mm / DIN 3771					
20 x		6,0x2,0 mm / DIN 3771					
20 x		6,0x2,5 mm / DIN 3771					
20 x		6,0x3,0 mm / DIN 3771					
20 x		7,0x2,0 mm / DIN 3771					
20 x		8,0x2,0 mm / DIN 3771					
5 x		9,0x2,0 mm / DIN 3771					
5 x		10,0x2,0 mm / DIN 3771					
5 x		12,0x3,0 mm / DIN 3771					
5 x		13,0x3,0 mm / DIN 3771					
5 x		14,0x2,5 mm / DIN 3771					
5 x		17,0x2,5 mm / DIN 3771					
5 x		18,0x4,0 mm / DIN 3771					
5 x		20,0x2,0 mm / DIN 3771					
5 x		22,0x2,0 mm / DIN 3771					



## O-rings assortment for HNBR air conditioning

- Made from HNBR: Specially for use in air conditioning lines
- In plastic storage case

































970.0340		270 pcs	Range of O-rings for HNBR air conditioning	140
20 x			5,29x1,78 mm	
20 x			6,07x1,78 mm	
20 x			6,80x1,90 mm	
20 x			7,65x1,78 mm	
40 x			7,80x1,90 mm	
20 x			8,80x1,90 mm	
20 x			10,00x2,00 mm	
15 x			10,70x2,62 mm	
15 x			11,00x2,00 mm	
15 x			11,00x1,78 mm	
15 x			12,90x2,00 mm	
10 x			13,90x1,78 mm	
10 x			14,00x2,00 mm	
10 x			17,00x1,78 mm	
10 x			17,00x2,00 mm	
10 x			17,00x3,53 mm	



## Copper sealing rings assortment

- In accordance with DIN 93
- In plastic storage case


















970.0140		300 pcs	Copper sealing rings assortment	790
10 x			5x 9,0x1,0 mm / DIN 93	
10 x			6x10,0x1,0 mm / DIN 93	
10 x			6x12,0x1,0 mm / DIN 93	
10 x			8x12,0x1,0 mm / DIN 93	
10 x			8x14,0x1,0 mm / DIN 93	
10 x			8x14,0x1,5 mm / DIN 93	
10 x			9x14,0x1,0 mm / DIN 93	
10 x			10x14,0x1,0 mm / DIN 93	
10 x			10x14,0x1,5 mm / DIN 93	
15 x			10x16,0x1,0 mm / DIN 93	
15 x			12x16,0x1,0 mm / DIN 93	
15 x			12x16,0x1,5 mm / DIN 93	
10 x			12x18,0x1,5 mm / DIN 93	
10 x			13x18,0x1,0 mm / DIN 93	
10 x			14x18,0x1,5 mm / DIN 93	
15 x			14x20,0x1,5 mm / DIN 93	
15 x			14x20,0x2,0 mm / DIN 93	
15 x			16x20,0x1,5 mm / DIN 93	
10 x			16x22,0x1,5 mm / DIN 93	
10 x			18x22,0x1,5 mm / DIN 93	
10 x			18x24,0x1,5 mm / DIN 93	
10 x			19x26,0x2,0 mm / DIN 93	
10 x			20x24,5x1,5 mm / DIN 93	
10 x			20x24,5x0,8 mm / DIN 93	
10 x			22x27,0x1,0 mm / DIN 93	
10 x			22x29,0x1,5 mm / DIN 93	
10 x			24x29,0x1,5 mm / DIN 93	
5 x			24x32,0x2,0 mm / DIN 93	
5 x			26x34,0x2,0 mm / DIN 93	
5 x			28x36,0x2,0 mm / DIN 93	

## Copper sealing rings assortment

- In accordance with DIN 93
- In plastic storage case



970.0040		150 pcs	Copper sealing rings assortment	320
10 x			5,0x10x1,0 mm / DIN 93	
10 x			6,0x10x1,0 mm / DIN 93	
10 x			7,0x10x1,0 mm / DIN 93	
10 x			8,0x12x1,0 mm / DIN 93	
10 x			10,0x16x1,0 mm / DIN 93	
10 x			10,5x17x1,5 mm / DIN 93	
10 x			11,0x17x1,5 mm / DIN 93	
10 x			12,0x20x1,5 mm / DIN 93	
10 x			12,5x20x1,5 mm / DIN 93	
10 x			14,0x18x1,0 mm / DIN 93	
10 x			14,0x20x1,5 mm / DIN 93	
10 x			15,0x20x2,0 mm / DIN 93	
10 x			16,0x22x2,0 mm / DIN 93	
10 x			16,5x24x2,0 mm / DIN 93	
10 x			17,5x24x2,0 mm / DIN 93	



### Aluminium sealing rings assortment

- In accordance with DIN 93
- In plastic storage case



### Sealing rings assortment, plumbing

- In accordance with DIN 7337
- In plastic storage case



### OIL REDUCTION SCREWS & WASHERS

#### Oil sump screws and gaskets assortment

- Screws M10 - M20
- Washers 6 - 20 mm
- In plastic storage case



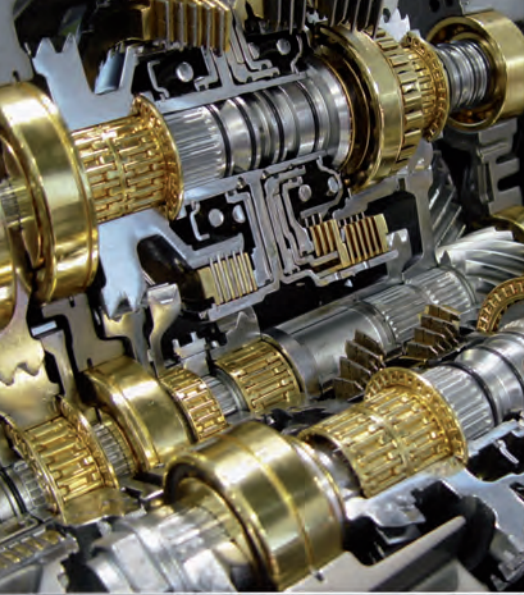
970.0160 300 pcs Aluminium sealing rings assortment 430		
10 x		5x 9,0x1,0 mm / DIN 93
10 x		6x10,0x1,0 mm / DIN 93
10 x		6x12,0x1,0 mm / DIN 93
10 x		8x12,0x1,0 mm / DIN 93
10 x		8x14,0x1,0 mm / DIN 93
10 x		8x14,0x1,5 mm / DIN 93
10 x		9x14,0x1,0 mm / DIN 93
10 x		10x14,0x1,0 mm / DIN 93
10 x		10x14,0x1,5 mm / DIN 93
15 x		10x16,0x1,0 mm / DIN 93
15 x		12x16,0x1,0 mm / DIN 93
15 x		12x16,0x1,5 mm / DIN 93
10 x		12x18,0x1,5 mm / DIN 93
10 x		13x18,0x1,0 mm / DIN 93
10 x		14x18,0x1,5 mm / DIN 93
15 x		14x20,0x1,5 mm / DIN 93
15 x		14x20,0x2,0 mm / DIN 93
15 x		16x20,0x1,5 mm / DIN 93
10 x		16x22,0x1,5 mm / DIN 93
10 x		18x22,0x1,5 mm / DIN 93
10 x		18x24,0x1,5 mm / DIN 93
10 x		19x26,0x2,0 mm / DIN 93
10 x		20x24,5x0,8 mm / DIN 93
10 x		20x24,5x1,5 mm / DIN 93
10 x		22x27,0x1,0 mm / DIN 93
10 x		22x29,0x1,5 mm / DIN 93
10 x		24x29,0x1,5 mm / DIN 93
5 x		24x32,0x2,0 mm / DIN 93
5 x		26x34,0x2,0 mm / DIN 93
5 x		28x36,0x2,0 mm / DIN 93

970.0190 141 pcs Sealing rings assortment, plumbing 150		
5 x		3/8" / 8,0x18,0x4,0 mm / DIN 7337
5 x		3/8" / 10,5x14,0x4,0 mm / DIN 7337
10 x		1/2" / 4,0x16,0x4,0 mm / DIN 7337
10 x		1/2" / 4,0x17,0x4,0 mm / DIN 7337
5 x		1/2" / 8,0x14,0x4,0 mm / DIN 7337
10 x		1/2" / 8,0x18,0x4,0 mm / DIN 7337
10 x		3/4" / 12,0x24,0x2,0 mm / DIN 7337
5 x		3/4" / 15,0x24,0x3,0 mm / DIN 7337
10 x		3/8" / 10,0x13,5x2,0 mm / DIN 7337
10 x		3/8" / 12,0x17,5x1,5 mm / DIN 7337
10 x		1/2" / 17,0x21,0x1,5 mm / DIN 7337
10 x		1/2" / 17,0x24,0x1,5 mm / DIN 7337
10 x		3/4" / 20,5x25,0x1,5 mm / DIN 7337
5 x		1" / 27,0x33,0x1,5 mm / DIN 7337
10 x		1/2" / 12,0x17,5x1,0 mm / DIN 7337
10 x		3/4" / 17,0x24,0x2,0 mm / DIN 7337
3 x		1.1/4" / 30,0x39,0x1,0 mm / DIN 7337
3 x		1.1/2" / 27,0x38,0x2,0 mm / DIN 7337



970.0200 534 pcs Oil sump screws and gaskets assortment 2000		
50 x		6 mm
50 x		8 mm
50 x		10 mm
50 x		12 mm
50 x		13 mm
50 x		14 mm
50 x		15 mm
50 x		16 mm
50 x		18 mm
50 x		20 mm
5 x		M10
5 x		M12
5 x		M13
5 x		M14
5 x		M15
3 x		M16
3 x		M18
3 x		M20





*Innovation is  
our mission!*

## DIN AND VARIOUS CONSUMABLE ASSORTMENTS

- Very extensive range  
(from screws to O rings)
- For industry, automotive and plumbing
- Quick amortisation,  
as no looking for a long time in the event of a repair
- The range is determined  
based on the products most often required

