



### 447 TF

#### Kit for MERCEDES

- Composed by upper bracket and average bracket pressing the spring (105÷182 mm)

kg	code	
1,4	U04470111Q	1



### 447 TG

#### Upper Bracket for PORSCHE CAYENNE, VW TOUAREG

kg	code	
3,2	U04470112Q	1



### 448 M

#### Lever for removing suspension uprights/arms

- For quick and safe disassembly of MAC PHAERSON suspension uprights and spherical articulations  
 - 5-position adjustable hook: precision and easy use  
 - Length 120 cm  
 - Spare hook: code DSL.40A-1

kg	L mm	code	
5,2	1200	U04480010	1



### 449

#### Ball-joint extractors

- For extracting ball joints from steering wheel and suspensions

capacity Ø mm	a mm	code	
16	45	U04490002	1
22	45	U04490001	1
32	80	U04490003	1



### 449 V

#### Spare screw

- For ball-joint extractors 449

n°	LxPxH mm	L mm	code	
1-2	M14x1,5	73	U04490060Q	1
3	M22x1,5	102	U04490061Q	1



### 449 VM

#### Spare working screw

- For ball-joint extractors 449

n°	LxPxH mm	L mm	code	
1-2	M14x1,5	60	U04490062Q	1
3	M22x1,5	90	U04490063Q	1



### 449 SP

#### Spare safety pin

- For ball-joint extractors 449

n°	LxØ mm	code	
1-2	32x7	U04490064Q	1
3	42x7	U04490065Q	1



### 449 A

#### Tool to assemble/disassemble axial articulations

- To work without interventions on steering box  
 - Manual use, hexagonal connection 30 mm  
 - Capacity: Ø 35÷45 mm  
 - Inside rolls automatically regulate grip on the articulation  
 - Steel body

capacity Ø mm	L mm	kg	code	
35÷45	420	1,8	U04490050	1



### 449 ID

#### Hydraulic ball joints separator

- For extracting ball-joints from steering wheel and suspensions on industrial vehicles

capacity max Ø mm	power ton	a mm	code	
36	8	65	U04490009	1



### 449 TA

#### Ball-joint extractors for industrial vehicles

- For removing steering and suspension ball-joints  
 - Hexagonal drive 22 mm

a mm	b mm	c mm	code	
23,2	70	94,5	U04490010	1



### 449 TB

#### Ball-joint extractors for industrial vehicles

- For removing steering and suspension ball-joints  
 - Hexagonal drive 22 mm

a mm	b mm	c mm	code	
25,2	70	94,5	U04490015	1



3/4

### 449 TC

#### Ball-joint extractors for industrial vehicles

- For removing steering and suspension ball-joints  
 - Square drive 3/4"

a mm	b mm	c mm	code	
42,5	105	144	U04490021	1