

# PULLERS

P O W E R I N Y O U R H A N D

## FEATURES OF UNIOR'S PULLERS

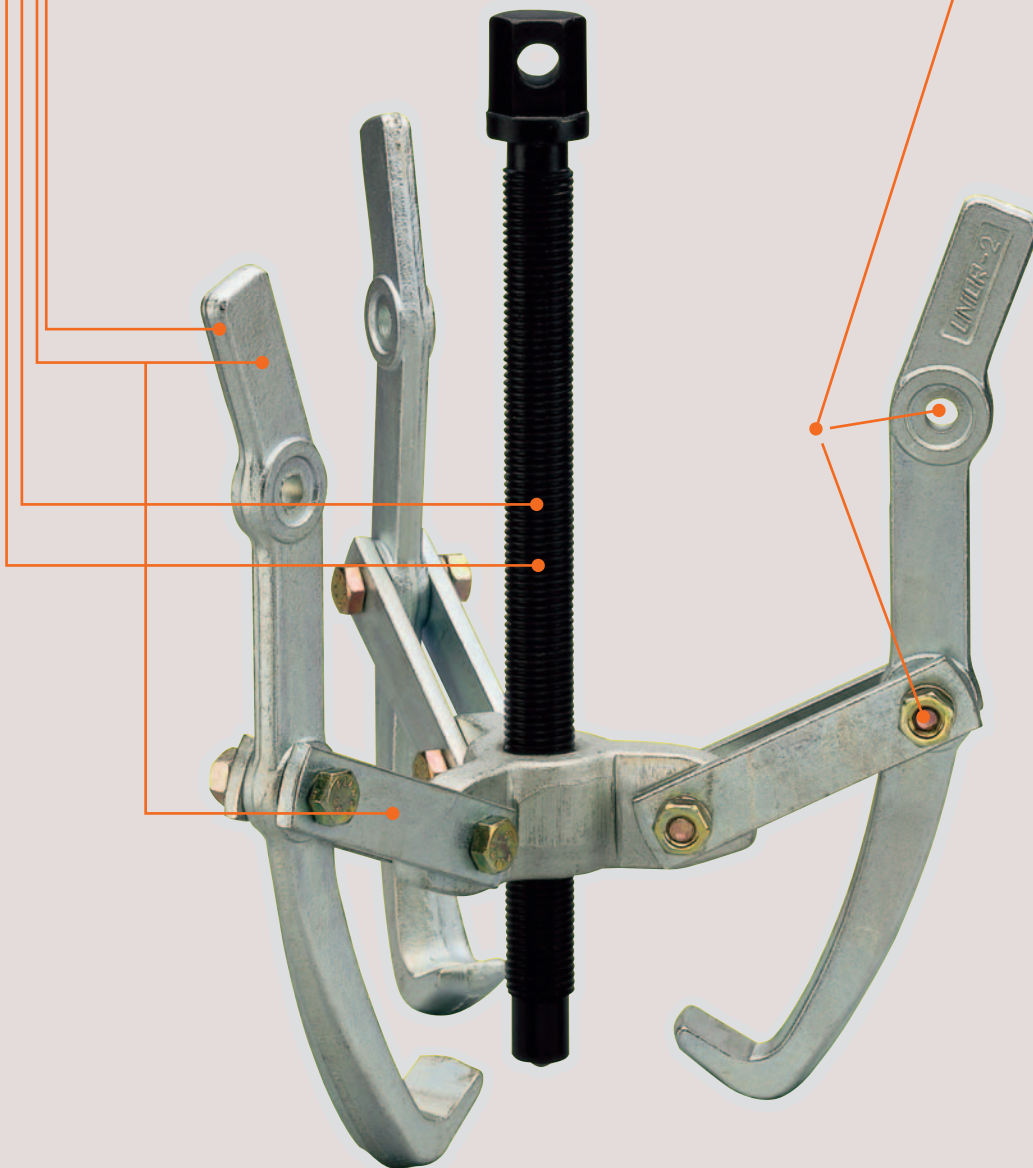
220	puller with five adjustable arms	687
220	puller with three adjustable arms	682
220	puller with two adjustable arms	680
221	professional ball joint puller	686/1
221	professional ball joint puller	686
221	puller with two sliding arms	681
221	pulling chuck	684
221	universal extractor with sliding hammer	685

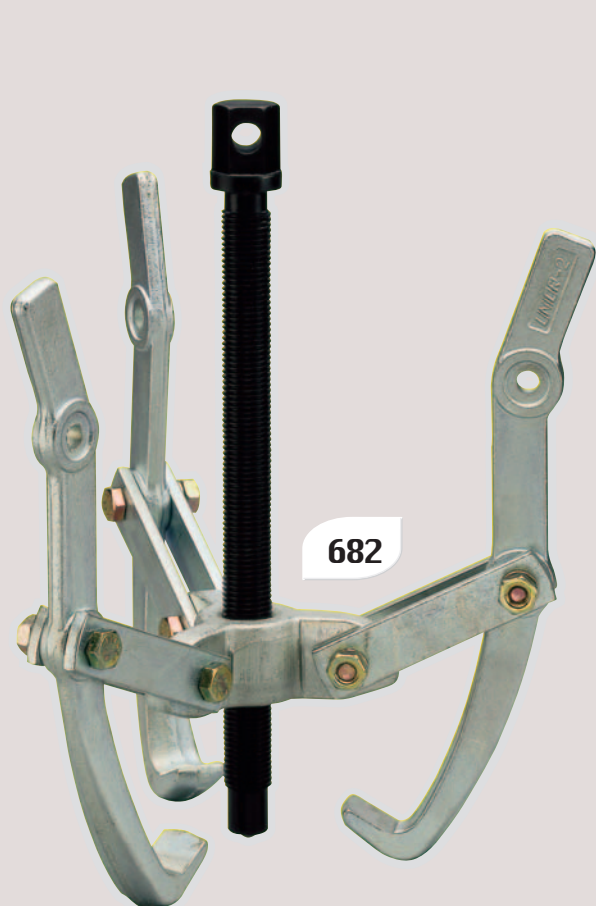
# PULLERS

P O W E R I N Y O U R H A N D

## FEATURES OF UNIOR'S PULLERS

- \* SURFACE FINISH BURNISHED
- \* SCREW ENTIRELY HARDENED TEMPERED
- \* CARBON TOOL STEEL
- \* ARMS ADJUSTABLE IN TWO POSITIONS INSTEAD ARTICLE NO. 682 AND 680
- \* ARMS, BODY, SCREW DROP FORGED
- \* SURFACE FINISH: ZINC PLATED

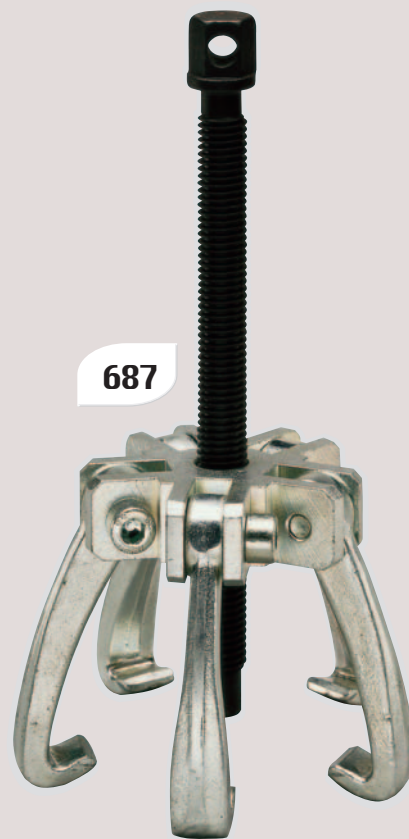




682



680

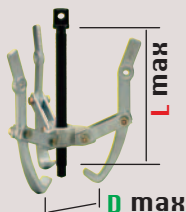


687

## 682

### PULLER WITH THREE ADJUSTABLE ARMS

\* lever action claws fit closely under the part to be removed

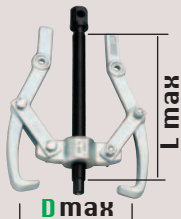


Code	No.	L max	D max		
612604	0/3	90	90	432	1
601767	1/3	160	130	1030	1
601768	2/3	230	190	2570	1
601769	3/3	300	250	5250	1

## 680

### PULLER WITH TWO ADJUSTABLE ARMS

\* stable arms maximise pulling force



Code	No.	L max	D max		
612603	0/7	90	90	323	1
601762	1/2	160	130	965	1
601763	2/2	230	190	2060	1
601764	3/2	300	250	4235	1

## 687

### PULLER WITH FIVE ADJUSTABLE ARMS

\* sturdy design for very heavy duty work  
\* lever action claws fit closely under the part to be removed



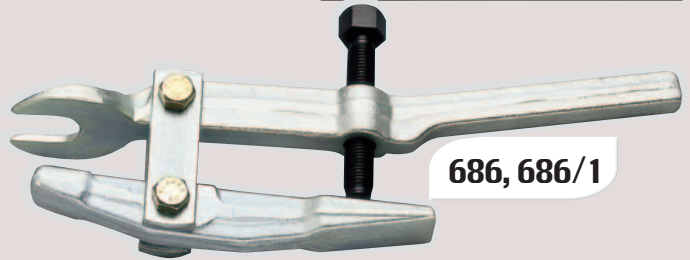
Code	L max	D max		
602848	120	47	1050	1

# PULLERS

P O W E R I N Y O U R H A N D



681



686, 686/1



685

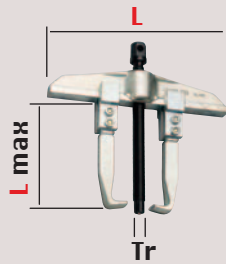
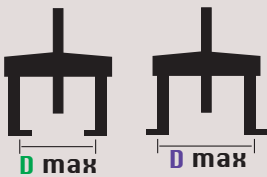


684

681

## PULLER WITH TWO SLIDING ARMS

\* by reversing the arms, the puller can be as internal or external puller  
\* sturdy design for very heavy duty work



Code	No.	L	D max	D min	D max	D min	L	Tr		
601765	300	280	220	70	260	110	150	18x2	3000	1
601766	400	450	360	110	450	190	200	26x3	8860	1

686

## PROFESSIONAL BALL JOINT PULLER

\* screw with rolled thread entirely hardened and tempered  
\* jaws induction - hardened

Code



L



601772

16

260

940

1

686/1

## PROFESSIONAL BALL JOINT PULLER

\* screw with rolled thread entirely hardened and tempered  
\* jaws induction - hardened

Code



L



602369

18

260

1080

1

684

## PULLING CHUCK

\* material: housing and nut from cast iron  
\* claws drop forged, hardened and tempered  
\* screw with rolled thread entirely hardened and tempered,  
jaws induction - hardened  
\* for removing separate bearing inner races in engines, dynamos etc.

Code	D max	D min	L max		
601770	32	6	190	1350	1

685

## UNIVERSAL EXTRACTOR WITH SLIDING HAMMER

\* claws drop forged, hardened and tempered  
\* used for inaccessible areas  
\* for internal use  
\* in set with arms, for small and large diameters

Code

ARMS

D max

D min

L max

L



601771

straight

80

30

125

600

2620

1

bent

180

120