

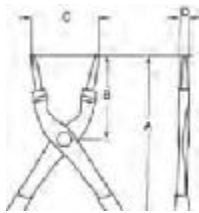


## 2800

### CIRCLIPS PLIERS INTERNAL



- Pliers without return spring for handling of internal circlips
- DIN 5256
- Black finish, anti-corrosion treated
- Material: High performance alloy steel, PVC coated handles
- Straight jaws, forged tips



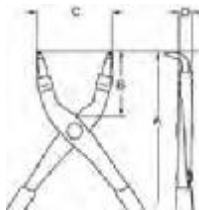
			A mm	B mm	C mm	D mm			
	731415						mm	mm	g
2800-140	0121632	3	140	38	18	0.8	8-13	1.2	80
2800-150	0034567	3	150	38	20	10	12-25	1.3	120
2800-180	0034581	3	180	57	23	10	19-60	1.7	185
2800-225	0034604	3	225	69	28	12	40-100	2.2	280
2800-300	0122622	1	310	95	33	14	85-165	3.1	490

## 2890

### CIRCLIPS PLIERS INTERNAL



- Pliers without return spring for handling of internal circlips
- DIN 5256
- Black-finish, anti-corrosion treated
- Material: High performance alloy steel, PVC coated handles
- Shape: With 90° offset jaws, forged tips



			A mm	B mm	C mm	D mm			
	731415						mm	mm	g
2890-125	0122639	3	127	38	17	9	8-15	0.8	80
2890-140	0034550	3	140	38	19	10	12-25	1.3	120
2890-180	0034574	3	180	57	23	12	19-60	1.8	185
2890-210	0034598	3	210	59	27	14	40-100	2.3	280
2890-300	0122646	1	289	95	33	14	85-165	3.1	490

## 2900

### CIRCLIPS PLIERS EXTERNAL



- Pliers with return spring for handling of external circlips
- DIN 5256
- Black finish, anti-corrosion treated
- Material: High performance alloy steel, PVC coated handles
- Straight jaws, forged tips



			A mm	B mm	C mm	D mm			
	731415						mm	mm	g
2900-140	0121045	3	140	38	18	9	3-10	0.8	80
2900-150	0034499	3	150	38	20	10	10-25	1.3	120
2900-180	0034512	3	180	57	23	11	19-60	1.8	185
2900-215	0034536	3	215	69	31	12	40-100	2.3	280
2900-300	0121076	1	295	95	35	14	85-165	3.1	490



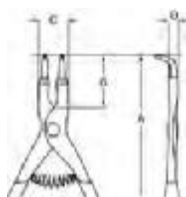
## CIRCLIP PLIERS

2990

### CIRCLIPS PLIERS EXTERNAL



- Pliers with return spring for handling of external circlips
- DIN 5256
- Black finish, anti-corrosion treated
- Material: High performance alloy steel, PVC coated handles
- Shape: 90° offset jaws, forged tips



	 731415		A mm	B mm	C mm	D mm	 mm	 mm	 g
2990-125	0121250	3	127	38	18	9	3-10	0.8	80
2990-140	0034482	3	140	38	20	10	10-25	1.3	120
2990-180	0034505	3	180	57	22	10	19-60	1.8	185
2990-200	0034529	3	200	69	27	14	40-100	2.3	280
2990-300	0121267	1	289	95	35	11	85-165	3.1	490

28-29/S4

### CIRCLIPS PLIERS EXTERNAL



- Circlip pliers set in a cardboard box
  - 2800-180: Internal straight tip, Ø 19-60 mm
  - 2890-180: Internal bent tip, Ø 19-60 mm
  - 2900-180: External straight tip, Ø 19-60 mm
  - 2990-180: External bent tip, Ø 19-60 mm

	 731415		 g
28-29/S4	0179688	1	740

2900-180



2800-180



2990-180



2890-180





## 2928

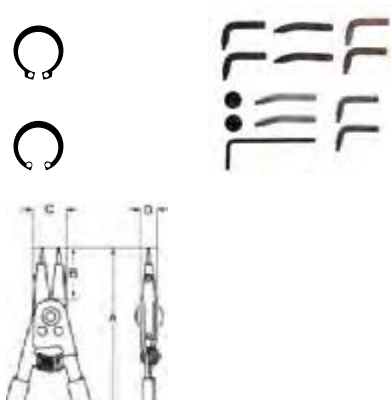
### RESETTABLE PLIERS FOR BOTH INTERNAL AND EXTERNAL CIRCLIPS



2928-160



2928-250



- Adjustable pliers that complete the range of existing conventional circlip pliers
- Patented pliers are equipped with interchangeable tips (straight, 15° and 90°) which can easily be adapted for use with internal or external circlips as required
- 5 pairs of tips are supplied with the -160 & -200 and 6 pairs with the -250
- For internal circlips from 8 to 100 mm diameter and for external circlips from 3 to 100 mm
- The 2928-160 covers a range of applications normally requiring up to ten pliers
- Stop mechanism (automatic on the 2928-250 model) for easier use and prevention of damage to circlips from excessive force

			A	B	C	D						
	731415		mm	mm	mm	mm	mm	mm	mm 0°	mm 15°	mm 90°	g
2928-160	0056514	1	160	23.5	21.5	17	7-26	3-26	0.6 0.9 1.2	-	0.9 1.2	120
2928-200	0056521	1	200	32.0	23.5	20	10-51	7-51	0.9 1.2 1.8	-	0.9 1.2	230
2928-250	0056538	1	250	36.0	30.0	22	46-102	32-102	-	2.3 2.7 3.0	2.3 2.7 3.0	505

## 9938

### CIRCLIP PLIERS, SET



- Set of three adjustable pliers for both internal and external circlips from the 2928 series: 160 mm, 200 mm and 250 mm
- Patented pliers that are equipped with interchangeable tips (straight, 15° and 90°) which can easily be adapted for use with internal or external circlips as required
- 5 pairs of tips are supplied with the -160 & -200 and 6 pairs with the -250
- The pliers can be used for internal circlips from 8 to 100 mm diameter and for external circlips from 3 to 100 mm
- This set covers a range of applications previously requiring up to ten conventional pliers
- Stop mechanism (automatic on the 2928-250 model) for easier use and prevention of damage to circlips from excessive force

731415		g
9938	0056491	1640

2928-160  
8-25, 3-25



2928-200  
10-48, 10-48



2928-250  
31-100, 31-100





## CIRCLIP PLIERS

### 2928-1 - 4

### SPARE TIPS

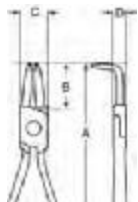


- Spare tips for the 2928 series of resettable circlip pliers

	731415			mm 0°	mm 15°	mm 90°	g
2928-1	0056583	1	2928-160	0.6 0.9 1.2		0.9 1.2	10
2928-2	0056590	1	2928-200	0.9 1.2 1.8		0.9 1.2	15
2928-3	0056606	1	2928-250		2.3 2.7 3.0		45
2928-4	0056613	1	2928-250			2.3 2.7 3.0	60

### 2461

### CIRCLIP PLIERS INTERNAL

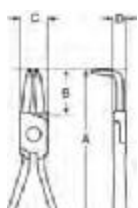


- Circlip pliers internal
- ISO 5256
- Chrome plated, fine-polished, black finished tips
- Material: High performance alloy steel
- Straight jaws, for internal circlips

			A mm	B mm	C mm	D mm			
	731415						mm	mm	g
2461 C8	1063481	1	140	31.5	18.5	8.0	8-25	1.0-2.0	85
2461 C19	1063498	1	180	40.0	21.5	9.5	19-60	2.0-2.5	140
2461 C40	1063504	1	255	55.0	22.0	11.0	40-100	2.5-3.5	230

### 2463

### CIRCLIP PLIERS INTERNAL



- Circlip pliers internal
- ISO 5256
- Finish: Chrome plated, fine-polished, black finish tips
- Material: High performance alloy steel
- 90° offset jaws for internal circlips

			A mm	B mm	C mm	D mm			
	731415						mm	mm	g
2463 D8	1588878	1	130	20.0	15.0	8.0	8-25	1.0-2.0	85
2463 D19	1063511	1	170	27.5	21.5	9.5	19-60	2.0-2.5	150
2463 D40	1063528	1	210	40.0	22.0	11.0	40-100	2.5-3.5	240

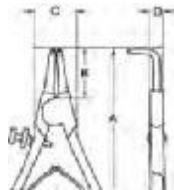


## 2464

### CIRCLIP PLIERS EXTERNAL



- Circlip pliers for external circlips
- ISO 5254
- Finish: Chrome plated, fine-polished; black finish tips
- Material: High performance alloy steel
- Straight jaws
- Stop screw and opening spring



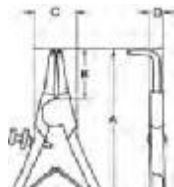
	 731415		A mm	B mm	C mm	D mm	 mm	 mm	 g
2464 A3	1406516	1	120	32	20.0	8.0	3-10	1.0-1.5	95
2464 A10	1063535	1	120	32	20.0	8.0	10-25	1.5-2.0	95
2464 A19	1063542	1	180	40	21.5	9.5	19-60	2.0-2.5	140
2464 A40	1063559	1	210	60	29.5	10.5	40-100	2.5-3.0	260

## 2466

### CIRCLIP PLIERS EXTERNAL



- Circlip pliers external
- ISO: 5254
- Finish: Chrome plated, fine-polished; black finish tips
- Material: High performance alloy steel
- Shape: With 90° offset jaws
- Stop screw and opening spring



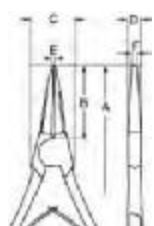
	 731415		A mm	B mm	C mm	D mm	 mm	 mm	 g
2466 B3	1406868	1	130	20	20	8	3-10	1.0-1.5	100
2466 B10	1063573	1	130	20	20	8	10-25	1.5-2.0	110
2466 B19	1063580	1	165	32	25	9	19-60	2.0-2.5	150
2466 B40	1063597	1	190	44	30	11	40-100	2.5-3.0	250

## 2460

### CIRCLIPS PLIERS SPECIAL



- Pliers for external horseshoe circlips on shafts
- Finish: Chrome plated, fine-polished
- Material: High performance alloy steel
- Opening spring



	 731415		A mm	B mm	C mm	D mm	E mm	F mm	 g
2460	1063467	1	175	48	22	9.5	3	7	160