

# LLAVES DE VASO 1/2"

EGA Master ofrece una amplia gama de llaves de vaso, tanto en serie corta como en serie larga, ofreciendo a su vez un gran número de artículos complementarios a éstos, como adaptadores, mangos articulados, alargaderas, llaves de carraca, etc.

Dispone de gamas de 1/4", 3/8", 1/2", 3/4" y 1" de cuadrado conductor en vasos manuales y de 3/8", 1/2", 3/4", 1", 1.1/2" y 2.1/2" en vasos de impacto, siendo los únicos del sector con una gama tan extensa.



tanto en mm como en pulgadas

- En **6** cantos

y en **12** cantos.



Fabricados en **romo-vanadio**, están diseñados para soportar altos pares de apriete con mínimo desgaste, proporcionando una mayor durabilidad.

## LLAVE DE VASO

# 1/2"

mm



COD X	mm	L	A	B	C	PAR MÁXIMO Nm	gr.	1
61800	8mm	13				75	48	
61801	9mm	14			13	95	49	
61802	10mm	15				147	49	
61803	11mm	17				178		
61804	12mm	18		22		212	50	25
61805	13mm	19				249		
61806	14mm	20				288		
61807	15mm	22			14	331	55	
61808	16mm	22	38			377	60	
61809	17mm	24				425	65	20
61810	18mm	26		23		477	75	
61811	19mm	26				531		1
61812	20mm	28		24	15		80	15
61813	21mm	30					110	
61814	22mm	30						
61815	23mm	32		26	16		115	10
61816	24mm	40						
61817	25mm	41	34	28	18	569	130	
61818	26mm	41						
61819	27mm	42	36	30			165	8
61820	28mm	42			20			
61821	29mm	44	38	32	21			
61822	30mm	44			22		210	7
61823	32mm	45	42	38	26			

UNE 16501:2009 (ISO 1711-1) Cr-V DIN 3124

- x 50% cromado aeroespacial  
50% cromado pulido espejo
- y 100% cromado pulido espejo

GARANTIA ILIMITADA

LLAVE DE VASO

**1/2"**

mm



COD X	mm	L	A	B	C	PAR MÁXIMO Nm	gr.		
61380	8mm	13				75	48		
61381	9mm	14			13	95	48		
61382	10mm	15				147	49		
61383	11mm	17				178			
61384	12mm	18			22	212		25	
61385	13mm	19				249	50		
61386	14mm	20				288			
61387	15mm	22			14	331	55		
61388	16mm	22				377	60		
61389	17mm	24				425	65		
61390	18mm	26		23		477	75	20	
61391	19mm	26				531			1
61392	20mm	28	24		15		80	15	
61393	21mm	28							
61394	22mm	30					110		
61395	23mm	32		26	16				
61396	24mm	40					115	10	
61397	25mm	41	34	28	18	569	130		
61398	26mm	41							
61399	27mm	42	36	30					
61400	28mm	42			20		165	8	
61401	29mm	44	38	32					
61402	30mm	44			21				
61403	32mm	45	40	32	22				
		45	42	38	26		210	7	

UNE 16501:2009 (ISO 1711-1)

Cr-V DIN 3124

**1/2"**

Inch.



COD X	Inch.	L	A	B	C	PAR MÁXIMO Nm	gr.		
60460	5/16"	13				75	46		
60461	3/8"	15			13	147	49		
60462	7/16"	17				178	50		
60463	1/2"	19				249		25	
60464	9/16"	20			22	288			
60465	19/32"	22			14	331	55		
60466	5/8"	22				377			
60459	21/32"	38				425	65		
60467	11/16"	24				477	70	20	
60468	3/4"	26	23			531			1
60469	25/32"	28	24				80		
60470	13/16"	30		25			85	15	
60471	7/8"	30			18		95		
60472	15/16"	32	26						
60473	31/32"	40	33			569	125	10	
60474	1"	40	34	28			135		
60475	1.1/16"	42	36						
60476	1.1/8"	42	38	32	19		185	8	
60477	1.3/16"	44	40		22				
60478	1.1/4"	44	42	34	23		210	7	

UNE 16501:2009 (ISO 1711-1)

Cr-V DIN 3124

- x 50% cromado aeroespacial
- 50% cromado pulido espejo
- y 100% cromado pulido espejo

LLAVE DE VASO

**1/2"**  
Inch.

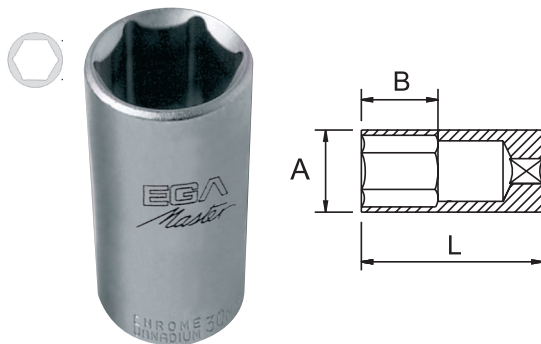


COD X	AF	L	A	B	C	PAR MÁXIMO Nm	gr.		
60480	5/16"		13		13	75	46		
60481	3/8"		15			147	49		
60482	7/16"		17			178	50		
60483	1/2"		19			249		25	
60484	9/16"		20	22		288			
60485	19/32"		22		14	331	55		
60486	5/8"					377			
60479	21/32"	38				425	65		
60487	11/16"		24			477	70	20	
60488	3/4"		26	23		531			1
60489	25/32"		28	24			80		
60490	13/16"						85	15	
60491	7/8"		30	25	18		95		
60492	15/16"		32	26					
60493	31/32"	40	33	28		569	125	10	
60494	1"		34				135		
60495	1.1/16"	42	36						
60496	1.1/8"		38	32	19		185	8	
60497	1.3/16"	44	40		22				
60498	1.1/4"		42	34	23		210	7	

UNE 16501:2009 (ISO 1711-1) Cr-V DIN 3124

SERIE LARGA

**1/2"**  
mm



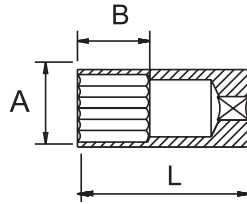
COD X		L	A	B	PAR MÁXIMO Nm	gr.		
65044	10mm		16		147	110		
65045	11mm		17		178			
65046	12mm		18	22	212			
65047	13mm		19		249	115		
65048	14mm		21		288			
65049	15mm				331			
65050	16mm		22	26	377	125		
65051	17mm		24		425	130		
65052	18mm		26		477	150		
65053	19mm	75	26		531	165	10	1
65054	21mm		28			180		
65055	22mm		30			210		
65056	23mm					240		
65057	24mm		32	32		260		
67770	26mm		36		569	330		
67771	27mm					350		
67772	28mm		38			380		
67773	29mm							
67774	30mm		40			420		
67775	32mm		42			460		

UNE 16501:2009 (ISO 1711-1) Cr-V DIN 3124

- x 50% cromado aeroespacial
- 50% cromado pulido espejo
- y 100% cromado pulido espejo

SERIE LARGA

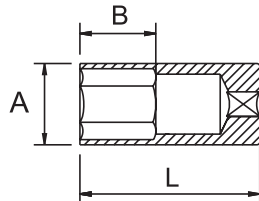
**1/2"**  
mm



COD X		L	A	B	PAR MÁXIMO Nm	gr.		
67780	10mm		16		147	110		
67781	11mm		17		178			
67782	12mm		18		212			
67783	13mm		19	22	249	115		
67784	14mm		21		288			
67785	15mm		22		331	125		
67786	16mm		22	26	377			
67787	17mm		24		425	130		
67788	18mm		26		477	150		
67789	19mm	75	26		531	165	10	1
67791	21mm		28			180		
67792	22mm		30			210		
67793	23mm		32	32		240		
67794	24mm		32			260		
67795	26mm		36		569	330		
67796	27mm		36			350		
67797	28mm		38			380		
67798	29mm		40			420		
67799	30mm		40			420		
67800	32mm		42			460		

UNE 16501:2009 (ISO 1711-1) Cr-V DIN 3124

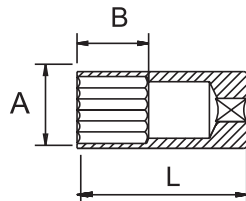
**1/2"**  
Inch.



COD y		L	A	B	PAR MÁXIMO Nm	gr.		
65064	3/8"		15	24	147	105		
65065	7/16"		17		178	115		
65066	1/2"		19	27	249			
65067	9/16"		21		288	120		
65068	5/8"		22		377			
65069	11/16"	75	24		477	125	10	1
65070	3/4"		26	34	531	150		
65071	13/16"		27			170		
65072	7/8"		30		569	210		
65073	15/16"		32			250		

UNE 16501:2009 (ISO 1711-1) Cr-V DIN 3124

**1/2"**  
Inch.



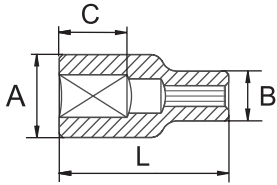
COD y		L	A	B	PAR MÁXIMO Nm	gr.		
67805	3/8"		15		147	105		
67806	7/16"		17	24	178	115		
67807	1/2"		19	27	249			
67808	9/16"		21		288	120		
67809	5/8"		22		377			
67810	11/16"		24		477	125		
67811	3/4"		26		531	150		
67812	13/16"	75	27			170	10	1
67813	7/8"		30	34		210		
67814	15/16"		32			250		
67815	1"		34		569	280		
67816	1.1/16"		36			330		
67817	1.1/8"		38			370		
67818	1.1/4"					455		

UNE 16501:2009 (ISO 1711-1) Cr-V DIN 3124

- x 50% cromado aeroespacial
- 50% cromado pulido espejo
- y 100% cromado pulido espejo

**TORX®\***

**3/8"**

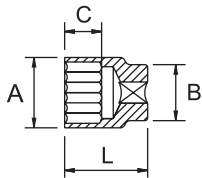
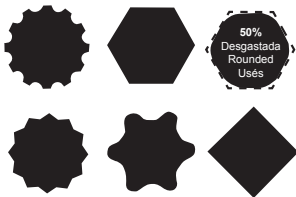


COD	TX	L	A	B	C	gr.	1
57179	E10		15		10	55	
57180	E11		17		11	57	
57181	E12		18			62	
57182	E14		20	22	13	67	
57183	E16	38	21			73	10
57184	E18		24			80	
57185	E20				14		
57186	E22		26	23			
57187	E24		28	25		102	

\* Para tornillos TORX® (Marca registrada por Acumet Intellectual Properties, LLC, Troy, Mich., US)

**SPLINE**

**1/2"**

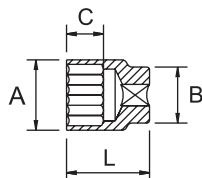


COD y	AF	AF	TX	L	A	B	C	PAR MÁXIMO Nm	gr.	1
55795	-	-	10mm	-	15,5			147	47	
55811	-	3/8"	-	-				178	48	
55796	M14	7/16"	11mm	E14	17			212		25
55797	M15	-	12mm	E16	18			249	50	
55798	M16	1/2"	13mm	-	19	22	14	288		
55799	M18	-	14mm	E18	21			331		
55800	-	-	15mm	-				377	65	
55801	M20	5/8"	16mm	E20	38	24		425	60	20
55802	-	-	17mm	-				477	75	
55803	M22	-	18mm	E22		26	23	531	60	1
55804	M24	3/4"	19mm	E24		28	24		80	15
55805	M25	-	20mm	-		30	26		70	
55806	M26	13/16"	21mm	-		32	28		85	
55807	M28	7/8"	22mm	-		32	28	569	95	10
55808	M30	15/16"	24mm	-	40	34	19		115	
55833	-	1"	-	-					140	
55809	M34	1.1/16"	27mm	-	42	36	20		155	8
55834	-	1.1/8"	-	-	43	38			180	
55810	M38	1.3/16"	30mm	-	44	40	22			

UNE 16501:2009 (ISO 1711-1) Cr-V DIN 3120

**EXTRACTOR DE TUERCAS DESGASTADAS HASTA EL 50%**

**1/2"**



COD y	AF	L	A	B	C	PAR MÁXIMO Nm	gr.	1
55795	10mm		15,5			147	47	
55796	11mm		17			178	48	
55797	12mm		18			212		25
55798	13mm		19	22	14	249	50	
55799	14mm		21			288		
55800	15mm					331		
55801	16mm	38	24			377	65	
55802	17mm					425	60	20
55803	18mm		26	23		477	75	
55804	19mm					531	60	1
55805	20mm		28	24			80	15
55806	21mm		30	26	17		70	
55807	22mm					569	85	
55808	24mm		32	28			95	10
55809	27mm	42	36	32	20		140	
55810	30mm	44	40	35	22		180	8

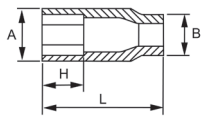
UNE 16501:2009 (ISO 1711-1) Cr-V DIN 3120

### ADAPTADOR



COD	1/2"	gr.		
65885	1/2-3/8"	50	6	1
65882	1/2-3/4"	125		

### LLAVES DE VASO PARA BUJÍAS



COD	1/2"	16mm	22	22	14	65	100	6	1
61462		21mm	28	24	16		150		
61463									

### MANGO ARTICULADO



COD	1/2"	0 - 180°	390 mm	650
61441				

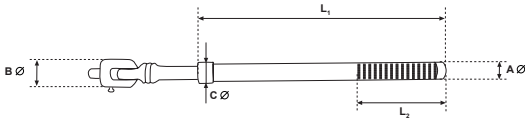
### MANGO ARTICULADO DE ACCIÓN RÁPIDA



COD	1/2"	470 mm	900	5
61483				

### MANGO ARTICULADO TELESCÓPICO

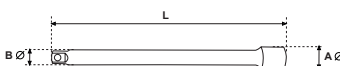
Fabricado en acero al CR-V



COD	1/2"	180°	430	650	305	110	21,5	33	25	1150	5
61484											

### ALARGADERA

Fabricado en acero al CR-V

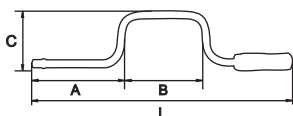


COD	1/2"	75 mm	22 mm	15,5mm	135	5	1
61453	3"						
61455	5"				220		
61458	10"				370		

DIN 3123

### BERBIQUÍ

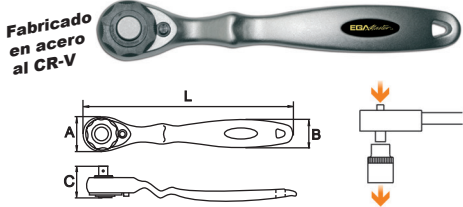
Fabricado en acero al CR-V



COD	1/2"	410	130	145	95	550	5
61434							

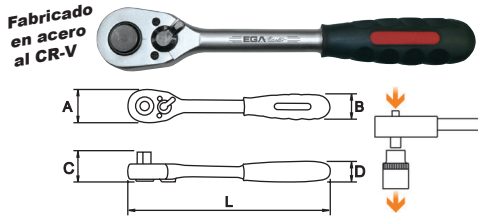
DIN 3122

**LLAVE DE CARRACA REVERSIBLE**



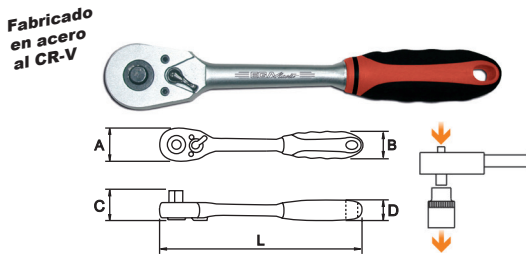
COD	1/2"	min	L	A	B	C	gr.	6	1
61430	1/2"	5°	230	39	31	45	550	6	1

*Carraca a fricción ( Sin dientes)* DIN 3122



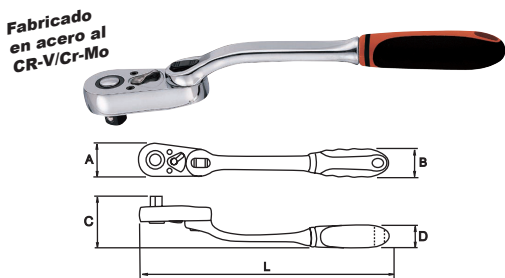
COD	1/2"	min	L	A	B	C	D	gr.	6	1
61431	1/2"	9°	250	37	32	37	28	550	6	1

*40 Dientes* DIN 3122



COD	1/2"	min	L	A	B	C	D	gr.	6	1
62606	1/2"	7,5°	250	42	36	37	28	560	6	1

*48 Dientes* DIN 3122

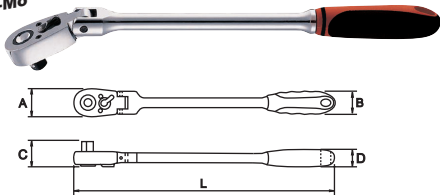


COD	1/2"	L	A	B	C	D	gr.	6	1
57410	1/2"	310	40	36	72	28	750	6	1

*48 Dientes* DIN 3122

## LLAVE DE CARRACA REVERSIBLE

Fabricado en acero al CR-V/Cr-Mo



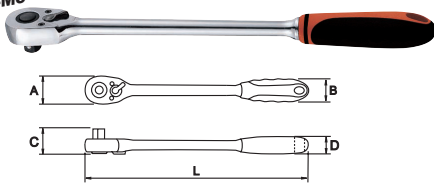
**COD**

57413	12"	450	37	36	38	28	880	6	1
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48 Dientes

DIN 3122

Fabricado en acero al CR-V/Cr-Mo



**COD**

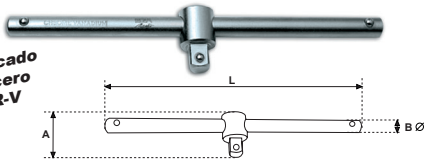
57416	1/2"	380	42	36	38	28	710	6	1
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48 Dientes

DIN 3122

## MANGO CORREDIZO EN T

Fabricado en acero al CR-V



**COD**

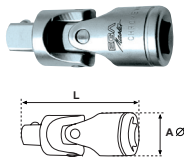
61440	1/2"	250 mm	42 mm	13 mm	160	5	1
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Capaz de proporcionar un par de 282 Nm.

DIN 3122

## ARTICULACIÓN UNIVERSAL

Fabricado en acero al CR-V



**COD**

61437	1/2"	71,5 mm	25 mm	140	10	1
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Capaz de proporcionar un par mínimo de 284 Nm.

DIN 3123

# CARACTERÍSTICAS TÉCNICAS

MATERIAL	Cr-V
DUREZA MÍNIMA	39 HRC







JUEGOS DE VASOS




**1/2"**






**19pcs**

COD		Kg.
55668	M12, M14, M15, M16, M18, M20, M22, M24, M25, M26, M28, M30, M34, M38	3,5
	Carraca 	●
	Alargadera 	5"-10"
	Mango en T 	●
	Articulación universal 	●





**20pcs**

COD		Kg.
55599	8-9-10-11-12-13-14-15-16-17-18-19-21-22-23-24mm	2,95
	Carraca 	●
	Alargadera 	5"-10"
	Articulación universal 	●





**20pcs**

COD		Kg.
55600	8-9-10-11-12-13-14-15-16-17-18-19-21-22-23-24mm	2,95
	Carraca 	●
	Alargadera 	5"-10"
	Articulación universal 	●

**21pcs**

COD		Kg.
55601	10-11-12-13-14-15-16-17-18-19-21-22-24-27-30-32mm	3,5
	Carraca 	●
	Alargadera 	5"-10"
	Mango en T 	●
	Articulación universal 	●

**25pcs**






COD		Kg.
61960	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-26-27-28-30-32mm	4,2
61963	5/16"-3/8"-7/16"-1/2"-9/16"-19/32"-5/8"-21/32"-11/16"-3/4"-25/32"-13/16"-7/8"-15/16"-31/32"-1"-1.1/16"-1.1/8"-1.3/16"-1.1/4"	
	Carraca 	●
	Alargadera 	5"-10"
	Mango en T 	●
	Articulación universal 	●

JUEGOS DE VASOS

**1/2"**









**25pcs**

COD		Kg.
55602	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-30-32mm	3,5
	Carraca 	●
	Alargadera 	5"
	Mango en T 	●
	Articulación universal 	●









**28pcs**

COD		Kg.
55597	8-9-10-11-12-13-14-15-16-17-18-19-21-22-23-24-26-27-28-29-30-32mm	5,35
	Carraca 	●
	Alargadera 	5"-10"
	Mango en T 	●
	Articulación universal 	●
	Berbiquí 	●








**28pcs**

COD		Kg.
55598	8-9-10-11-12-13-14-15-16-17-18-19-21-22-23-24-26-27-28-29-30-32mm	5,35
	Carraca 	●
	Alargadera 	5"-10"
	Mango en T 	●
	Articulación universal 	●
	Berbiquí 	●



**35pcs**

COD		Kg.
55603	10-11-13-14-17-19-22-24-27-30-32mm 5/16"-3/8"-7/16"-1/2"-9/16"-19/32"-5/8"-21/32"-11/16"-3/4"-25/32"-13/16"-7/8"-15/16"-1"-1.1/16"-1.1/8"-1.3/16"-1.1/4"	5,7
	Carraca 	●
	Alargadera 	5"-10"
	Articulación universal 	●
	Berbiquí 	●

JUEGOS DE VASOS

**1/2"**



17pcs

COD		Kg.
61796	10-11-12-13-14-15-16-17-18-19-20-22-24-27-30-32mm	2,0
61798	5/16"-3/8"-7/16"-1/2"-9/16"-5/8"-11/16"-3/4"-13/16"-7/8"-15/16"-1"-1.1/16"-1.1/8"-1.3/16"-1.1/4"	
61797	10-11-12-13-14-15-16-17-18-19-20-22-24-27-30-32mm	2,0
61799	5/16"-3/8"-7/16"-1/2"-9/16"-5/8"-11/16"-3/4"-13/16"-7/8"-15/16"-1"-1.1/16"-1.1/8"-1.3/16"-1.1/4"	
	Carraca	●



41pcs

COD		Kg.
61793	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-27-30-32mm 3/8"-7/16"-1/2"-9/16"-5/8"-11/16"-3/4"-13/16"-7/8"-15/16"-1"-1.1/16" 1.1/8"-1.3/16"-1.1/4"	5,5
	Carraca	●
	Alargadera	6"-8"
	Mango en T	●
	Articulación universal	●
	Mango articulado	●
	Llaves de vaso para bujías	16-21mm



33pcs

COD		Serie larga	Kg.
65074	10-11-12-13-14-15-16-17-18-19-20-21-22-23-24mm	10-11-12-13-14-15-16-17-18-19mm	7,0
65075	3/8"-7/16"-1/2"-9/16"-5/8"-11/16" 3/4"-13/16"-7/8"-15/16"-1" 1.1/16"-1.1/8"-1.3/16"-1.1/4"	3/8"-7/16"-1/2"-9/16"-5/8"-11/16" 3/4"-3/16"-7/8"-15/16"	
	Carraca	●	
	Alargadera	3"-5"-10"	
	Mango articulado	●	
	Articulación universal	●	
	Llaves de vaso para bujías	16-21mm(65074) 5/8"-13/16"(65075)	

EXPOSITORES

**1/2"**



**233pcs**

UN.	COD:65296
	8mm
	9mm
	10mm
12	11mm
	12mm
	13mm
	14mm
	15mm
11	16mm
	17mm
10	18mm
	19mm
9	20mm
	21mm
	22mm
8	23mm
	24mm
	25mm
	26mm
7	27mm
	28mm
	29mm
	30mm
6	32mm



UN.	COD:65297
	8mm
	9mm
	10mm
12	11mm
	12mm
	13mm
	14mm
	15mm
11	16mm
	17mm
10	18mm
	19mm
9	20mm
	21mm
	22mm
8	23mm
	24mm
	25mm
	26mm
7	27mm
	28mm
	29mm
	30mm
6	32mm



**236pcs**

UN.	COD:65298
24	5/16"
	3/8"
12	7/16"
	1/22
24	9/16"
22	5/8"
20	11/16"
19	3/4"
9	13/16"
16	7/8"
8	15/16"
14	1"
7	1.1/16"
	1.1/8"
	1.3/16"
6	1.1/4"



UN.	COD:65299
24	5/16"
	3/8"
	7/16"
12	1/22
	9/16"
	19/32"
11	5/8"
	21/32"
20	11/16"
10	3/4"
9	25/32"
	13/16"
16	7/8"
8	15/16"
	31/32"
7	1"
	1.1/16"
	1.1/8"
	1.3/16"
6	1.1/4"

