

Robur **2020**

EN

General programme





**Special free
service boxes**

Robur

Since 1930 Robur has been manufacturing accessory lines for cables according to the acknowledged quality standards of Beta Utensili, whose products are complementary to those of Robur.

Expertise, organization and technology are the key ingredients of ongoing growth resulting from awareness of market requirements.

Since 1984 Robur has been headquartered in a state-of-the-art production facility in Sulmona.

MAXIMUM WORKING LOAD

WLL: working load limit (for lifting accessories)

WFL: workforce limit (for accessories other than lifting accessories)

BF: maximum force achieved by the item during the static traction test

LC: lashing capacity

8029R

bow shackles with screw collar pins,
high-tensile alloy steel, GRADE 6,
hot-dipped galvanized body

CE



EN 13889
GRADO 6

size

n.° of tools
per box

	ØA mm	ØD mm	WLL kg		
8029R	6	8	500	20	080290106
8029R	8	10	750	15	080290108
8029R	10	11	1000	15	080290110
8029R	11	13	1500	10	080290111
8029R	13	16	2000	8	080290112
8029R	16	19	3250	5	080290116
8029R	19	22	4750	2	080290120
8029R	22	25	6500	2	080290122
8029R	26	28	8500	1	080290124
8029R	29	32	9500	1	080290128
8029R	32	35	12000	1	080290132
8029R	35	38	13500	1	080290135
8029R	38	42	17000	1	080290138
8029R	45	50	25000	1	080290145
8029R	50	50	35000	1	080290150
8029R	57	57	42500	1	080290157
8029R	65	65	55000	1	080290165

code number

new item 2020

■ 4 DIFFERENT TYPES OF CERTIFICATES

■ 170 UPDATED PRODUCT SPECIFICATIONS

Item	Test Report 2.2 (UNI EN 10204)	Test Certificate 3.1(UNI EN 10204)	Manufacturer's Certificate	CE Declaration of Conformity
8001Z	✓	✓		✓
8001TZ	✓	✓		✓
8002ZD	✓			
8003ZD	✓			
8004ND	✓			
8005Z	✓			✓
8005TZ	✓			✓
8006Z	✓			✓
8007Z	✓			✓
8008N	✓			✓
8008TZN	✓			✓
8009FD	✓			
8009Z	✓			✓
8009TZ	✓			✓
8010Z	✓			✓
8010TZ	✓			
8016	✓			✓
8016DA	✓			✓
8016FR	✓			
8016U2	✓		✓	✓
8018E	✓			
8018T	✓			
8020	✓			
8021	✓			
8025	✓	✓		✓
8026A	✓	✓		✓
8026R	✓	✓		✓
8028	✓	✓		✓
8029R	✓	✓		✓
8031R	✓	✓		✓
8032	✓	✓		✓
8040EN	✓	✓		✓
8040EZ	✓	✓		✓
8042EN	✓	✓		✓
8042EZ	✓	✓		✓
8044	✓	✓		✓
8048	✓			
8049	✓	✓		✓
8051S	✓	✓		✓
8052	✓	✓		✓
8055S	✓	✓		✓
8057R	✓	✓		✓
8058R	✓	✓		✓
8060R	✓	✓		✓
8061F	✓	✓		✓
8062	✓	✓		✓
8063	✓	✓		✓
8064S	✓	✓		✓
8065SC	✓	✓		✓
8074	✓			
8074A	✓			
8074G	✓			
8080	✓			
8085	✓	✓		✓
8086	✓	✓		✓
8090	✓	✓		✓
8090F	✓	✓		✓

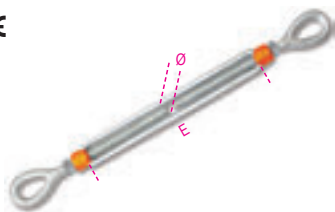
Item	Test Report 2.2 (UNI EN 10204)	Test Certificate 3.1(UNI EN 10204)	Manufacturer's Certificate	CE Declaration of Conformity
8090R	✓	✓		✓
8091			✓	✓
8091SL			✓	✓
8092			✓	✓
8092SL			✓	✓
8094			✓	✓
8094SL			✓	✓
8096			✓	✓
8096SL			✓	✓
8097			✓	✓
8097SL			✓	✓
8098			✓	✓
8098SL			✓	✓
8100	✓	✓		✓
8105	✓			
8109	✓			
8110	✓			
8114	✓			
8116	✓			
8120	✓			
8120B	✓			
8130A	✓			
8139DL	✓			
8150	✓		✓	✓
8153	✓		✓	✓
8156	✓		✓	✓
8157	✓		✓	✓
8158	✓		✓	✓
8159	✓		✓	✓
8160	✓		✓	✓
8161	✓		✓	✓
8166	✓			
8170	✓		✓	✓
8173	✓		✓	✓
8176	✓		✓	✓
8177	✓		✓	✓
8178	✓		✓	✓
8179M-B-A	✓		✓	✓
8180	✓			
8181	✓			
8181S	✓			
8182	✓			
8182A	✓			
8182E	✓			
8182H	✓			
8182M	✓			
8182S	✓			
8182T	✓			
8182T-TS	✓			
8182TS	✓			
8185	✓			
8186	✓			
8187	✓			
8188C	✓			
8188CG/25	✓			
8188CU	✓			
8188F	✓			

Item	Test Report 2.2 (UNI EN 10204)	Test Certificate 3.1(UNI EN 10204)	Manufacturer's Certificate	CE Declaration of Conformity
8188VF/35	✓			
8188FG2	✓			
8302Z	✓			
8303Z	✓			
8317DZ	✓			
8317SZ	✓			
8381SL	✓			
8381SP	✓			
8383C	✓			
8383P	✓			
8515V	✓			
8515Z	✓			
8531	✓			
8532	✓			
8535	✓			
8201T	✓			
8205	✓			
8206	✓			
8207	✓			
8209	✓			
8210	✓			
8216	✓			✓
8220	✓			
8225	✓			
8227	✓			
8228	✓			
8240	✓			
8240F	✓	✓		✓
8242	✓			
8242F	✓	✓		✓
8248	✓			
8249	✓			
8249G	✓			
8250	✓			
8264	✓			
8267	✓			
8272	✓			
8273	✓			
8274	✓			
8274A	✓			
8274G	✓			
8276	✓			
8276G	✓			
8278	✓			
8280	✓			
8282	✓			
8282S	✓			
8284	✓			
8285	✓			
8286	✓			
8287	✓			
8290	✓			
8293	✓			
8297C	✓			
8297F	✓			
8381SX	✓			

8105

eye and eye turnbuckles
high tensile steel, hot dip galvanized

CE



TECHNICAL DATA

- safety factor: 5
- heat treatment, body: normalizing
- heat treatment, eyes: hardening and tempering

LABORATORY TESTS

- chemical analysis
 - tensile test
 - proof load test 2 x WFL
- AVAILABLE CERTIFICATES
- Technical product specifications
 - Test report UNI EN10204 type 2.2

ØxE "	≈ mm	WFL kg		
3/8x6	M10x150	540	5	081050010
1/2x6	M12x150	1000	5	081050011
1/2x9	M12x230	1000	5	081050012
5/8x9	M16x230	1590	2	081050016
3/4x6	M20x150	2360	2	081050017
3/4x12	M20x300	2360	2	081050018
3/4x9	M20x230	2360	2	081050020
3/4x18	M20x460	2360	2	081050021
7/8x12	M22x300	3270	1	081050022
1x6	M24x150	4540	1	081050024
1x12	M24x300	4540	1	081050025
1.1/4x12	M33x300	6900	1	081050031
1.1/4x18	M33x460	6900	1	081050032
1.1/2x12	M39x300	9710	1	081050034
1.1/2x18	M39x460	9710	1	081050035
1.3/4x18	M45x460	12700	1	081050036

Other sizes available upon request

eye and eye turnbuckles
high tensile steel, hot dip galvanized

ØxE "	≈ mm	WFL kg		
3/8x6	1	1	1	081059010
1/2x9	1	1	1	081059012

8109

jaw and jaw turnbuckles
high tensile steel, hot dip galvanized

CE



TECHNICAL DATA

- safety factor: 5
- heat treatment, body: normalizing
- heat treatment, jaws: hardening and tempering

LABORATORY TESTS

- chemical analysis
 - tensile test
- AVAILABLE CERTIFICATES
- Technical product specifications
 - Test report UNI EN10204 type 2.2

ØxE "	≈ mm	WFL kg		
3/8x6	M10x150	540	5	081090010
1/2x6	M12x150	1000	5	081090011
1/2x9	M12x230	1000	5	081090012
1/2x12	M12x300	1000	5	081090013
5/8x6	M16x150	1590	2	081090015
5/8x9	M16x230	1590	2	081090016

ØxE "	≈ mm	WFL kg		
3/4x6	M20x150	2360	2	081090018
3/4x12	M20x300	2360	2	081090019
3/4x9	M20x230	2360	2	081090020
3/4x18	M20x460	2360	2	081090021
7/8x12	M22x300	3270	1	081090022
7/8x18	M22x460	3270	1	081090023
1x6	M24x150	4540	1	081090024
1x12	M24x300	4540	1	081090025
1x18	M24x460	4540	1	081090026
* 1.1/4x12	M33x300	6900	1	081090031
* 1.1/4x18	M33x460	6900	1	081090032
* 1.1/4x24	M33x610	6900	1	081090033
* 1.1/2x12	M39x300	9710	1	081090034
* 1.3/4x18	M45x460	12700	1	081090036
* 1.1/2x18	M39x460	9710	1	081090038
* 1.1/2x24	M39x610	9710	1	081090039

* Round pin Jaw

Other sizes available upon request

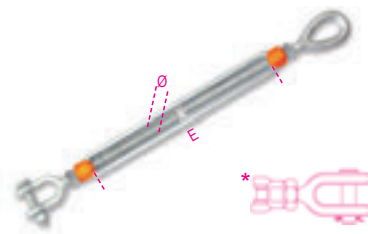
jaw and jaw turnbuckles
high tensile steel, hot dip galvanized

ØxE "	≈ mm	WFL kg		
3/8x6	1	1	1	081099010
1/2x9	1	1	1	081099012

8110

eye and jaw turnbuckles, high-tensile steel,
hot dip galvanized

CE



TECHNICAL DATA

- safety factor: 5
- turnbuckle body heat treatment: normalizing
- turnbuckle eye treatment: hardening and tempering
- traceability code

LABORATORY TESTS

- chemical analysis
 - tensile test
- AVAILABLE CERTIFICATES
- Technical product specifications
 - Test report UNI EN10204 type 2.2
 - Inspection certificate UNI EN10204 type 3.1
 - CE Declaration of Conformity

ØxE "	≈ mm	WFL kg		
1/2x9	M12x230	1000	5	081100010
5/8x12	M16x300	1590	2	081100016
3/4x6	M20x150	2360	2	081100019
3/4x9	M20x230	2360	2	081100020
3/4x12	M20x300	2360	2	081100021
1x6	M24x150	4540	1	081100027
1x12	M24x300	4540	1	081100029
*1.1/4x12	M33x300	6900	1	081100034
*1.1/2x12	M39x300	9710	1	081100038
*1.1/2x18	M39x460	9710	1	081100039
*1.3/4x18	M45x460	12700	1	081100044

* Jaw with through pin and split pin

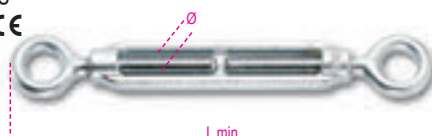
Other sizes available on request



8005Z

eye and eye turnbuckles,
galvanized

CE



TECHNICAL DATA

- safety factor: 4
- LABORATORY TESTS
- chemical analysis
 - tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- CE Declaration of Conformity

Ø mm	≈ "	L min mm	WFL kg		
M5	3/16	118	115	400	080050105
M6	1/4	130	160	300	080050106
M8	5/16	158	300	200	080050108
M10	3/8	192	470	100	080050110
M11	7/16	206	580	80	080050111
M12	1/2	226	690	60	080050112
M14	9/16	256	940	15	080050114
M16	5/8	290	1290	10	080050116
M18	11/16	358	1660	1	080050118
M20	3/4	358	2130	1	080050120
M22	7/8	400	2630	1	080050122
M24	1"	436	3060	1	080050124
M27	1 1/8	474	4000	1	080050125
M30	1 1/4	498	4860	1	080050130
M33	1 1/4	516	6040	1	080050126
M36	1 3/8	532	6500	1	080050136
M39	1 1/2	544	7900	1	080050139

Whitworth thread subject to availability
New batches with metric thread

special packaging

Ø mm	≈ "	L min mm	WFL kg		
M5	3/16	30	1	1	080059305
M6	1/4	30	1	1	080059306
M8	5/16	20	1	1	080059108
M10	3/8	15	1	1	080059110
M11	7/16	15	1	1	080059111
M12	1/2	15	1	1	080059112

eye and eye turnbuckles,
galvanized



Ø mm	≈ "	L min mm	WFL kg		
M5	2	1	1	1	080059305
M6	2	1	1	1	080059306
M8	1	1	1	1	080059108
M10	1	1	1	1	080059110
M11	1	1	1	1	080059111
M12	1	1	1	1	080059112
M14	1	1	1	1	080059114
M16	1	1	1	1	080059116

8005TZ

hot-forged eye and eye turnbuckles
pipe bodies,galvanized

CE



TECHNICAL DATA

- safety factor: 4

LABORATORY TESTS

- chemical analysis

- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

- CE Declaration of Conformity

Ø mm	≈ "	WFL kg		
M12	1/2	690	15	080050512
M16	5/8	1290	1	080050516
M20	3/4	2130	1	080050520
M24	1"	3060	1	080050524
M27	1.1/8	4000	1	080050527
M30	1.3/16	4860	1	080050530
M36	1.3/8	6500	1	080050536

hot-forged eye and eye turnbuckles
pipe bodies,galvanized

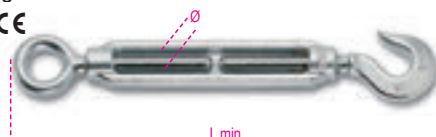


Ø mm	≈ "			
M12	1	1	080059512	

8006Z

hook and eye turnbuckles,
galvanized

CE



TECHNICAL DATA

- safety factor: 4

LABORATORY TESTS

- chemical analysis

- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- CE Declaration of Conformity

Ø mm	≈ "	L min mm	WFL kg		
M5	3/16	121	25	400	080060105
M6	1/4	132	45	250	080060106
M8	5/16	170	95	180	080060108
M10	3/8	204	140	100	080060110
M11	7/16	221	165	15	080060111
M12	1/2	244	300	15	080060112
M14	9/16	284	420	10	080060114
M16	5/8	322	570	1	080060116
M18	11/16	373	700	1	080060118
M20	3/4	391	900	1	080060120
M22	7/8	433	1100	1	080060122
M24	1"	470	1300	1	080060124
M27	1.1/8	503	2300	1	080060127

special packaging

Ø mm	≈ "			
M5	3/16	30	1	080060705
M6	1/4	30	1	080060706
M8	5/16	20	1	080060708
M10	3/8	15	1	080060710

hook and eye turnbuckles,
galvanized



Ø mm	≈ "			
M5	2	1	080069305	
M6	2	1	080069306	
M8	1	1	080069108	
M10	1	1	080069110	
M11	1	1	080069111	
M12	1	1	080069112	
M14	1	1	080069114	

8007Z

hook and hook turnbuckles,
galvanized

CE



TECHNICAL DATA

- safety factor: 4

LABORATORY TESTS

- chemical analysis

- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- CE Declaration of Conformity

Ø mm	≈ "	L min mm	WFL kg		
M5	3/16	124	25	30	080070105
M6	1/4	134	45	30	080070106
M8	5/16	181	95	20	080070108
M10	3/8	211	140	15	080070110
M11	7/16	231	165	15	080070111
M12	1/2	262	300	15	080070112
M14	9/16	312	420	1	080070114
M16	5/8	354	570	1	080070116
M18	11/16	388	700	1	080070118
M20	3/4	424	900	1	080070120
M22	7/8	466	1100	1	080070122
M24	1"	504	1300	1	080070124
M27	1.1/8	532	2300	1	080070127

hook and hook turnbuckles,
galvanized



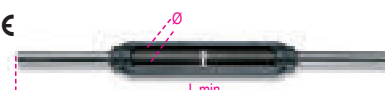
Ø mm	≈ "			
M5	2	1	080079305	
M6	2	1	080079306	
M8	1	1	080079108	
M10	1	1	080079110	
M11	1	1	080079111	
M12	1	1	080079112	

Robur

8008N

stub and stub turnbuckles
self-coloured

CE



TECHNICAL DATA

- safety coefficient: 4

LABORATORY TESTS

- chemical analysis

- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- CE Declaration of Conformity

Ø mm	≈ "	L min mm	WFL kg		
M5	3/16	160	115	30	080080205
M6	1/4	180	160	30	080080206
M8	5/16	210	300	20	080080208
M10	3/8	250	470	15	080080210
M12	1/2	280	690	15	080080212
M14	9/16	340	940	5	080080214
M16	5/8	380	1290	5	080080216
M18	11/16	410	1660	3	080080218
M20	3/4	440	2130	3	080080220
M22	7/8	480	2630	2	080080222
M24	1"	520	3060	2	080080224
M27	1.1/8	560	4000	1	080080227
M30	1.3/16	560	4860	1	080080230
M33	1.1/4	600	6040	1	080080233
M36*	1.3/8	600	6500	1	080080236
M39*	1.1/2	600	7900	1	080080239

Whitworth thread subject to availability
New batches with metric thread

stub and stub turnbuckles
self-coloured



Ø mm	≈ "			
M5	2	1	080089305	
M6	2	1	080089306	
M8	1	1	080089208	
M10	1	1	080089210	
M12	1	1	080089212	
M14	1	1	080089214	

8008TZN

stub and stub turnbuckles,
pipe bodies DIN 1478,
self-coloured terminals, galvanised bodies

CE



TECHNICAL DATA

- safety factor: 4

LABORATORY TESTS

- chemical analysis

- tensile test

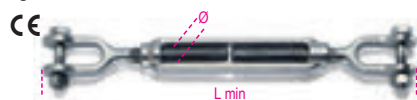
AVAILABLE CERTIFICATES

- Product specifications
- Test report type 2.2 UNI EN10204
- CE Declaration of Conformity

Ø mm	≈ "	WFL kg		
M12	1/2	690	10	080080512
M16	5/8	1290	1	080080516
M20	3/4	2130	1	080080520
M24	1	3060	1	080080524
M27	1.1/8	4000	1	080080527
M30	1.3/16	4860	1	080080530
M36	1.3/8	6500	1	080080536

8009Z

jaw and jaw turnbuckles,
galvanized



TECHNICAL DATA

• safety coefficient: 4

LABORATORY TESTS

- chemical analysis
- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- CE Declaration of Conformity

Ø mm	≈ "	L min mm	WFL kg		
M8	5/16	192	300	15	080090008
M10	3/8	234	470	15	080090010
M12	1/2	274	690	15	080090012
M14	9/16	342	940	1	080090014
M16	5/8	372	1290	1	080090016
M18	11/16	406	1660	1	080090018
M20	3/4	406	2130	1	080090020
M22	7/8	466	2630	1	080090022
M24	1"	486	3060	1	080090024
M27	1 1/8	510	4000	1	080090027
M30	1 3/16	566	4860	1	080090030

jaw and jaw turnbuckles,
galvanized

Ø mm			
M8	1	1	080099008
M10	1	1	080099010
M12	1	1	080099012

8009TZ

jaw and jaw turnbuckles,
pipe bodies, DIN 1478
galvanized



TECHNICAL DATA

• safety coefficient: 4

LABORATORY TESTS

- chemical analysis
- tensile test

AVAILABLE CERTIFICATES

- Technical Product Specifications
- Test Report UNI EN10204 type 2.2
- CE Declaration of Conformity

Ø mm	≈ "	WFL kg		
M12	1/2	690	10	080090512
M16	5/8	1290	1	080090516
M20	3/4	2130	1	080090520
M24	1	3060	1	080090524
M27	1.1/8	4000	1	080090527
M30	1.3/16	4860	1	080090530

jaw and jaw turnbuckles,
pipe bodies, DIN 1478
galvanized

Ø mm			
M12	1	1	080099512

8010Z

eye and jaw turnbuckles,
galvanized



TECHNICAL DATA

• safety coefficient: 4

LABORATORY TESTS

- chemical analysis
- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- CE Declaration of Conformity

Ø mm	≈ "	L min mm	WFL kg		
M8	5/16	175	300	20	080100008
M10	3/8	215	470	15	080100010
M12	1/2	250	690	10	080100012
M14	9/16	299	940	10	080100014
M16	5/8	331	1290	1	080100016
M18	11/16	382	1660	1	080100018
M20	3/4	382	2130	1	080100020
M22	7/8	433	2630	1	080100022
M24	1"	461	3060	1	080100024
M27	1 1/8	492	4000	1	080100027
M30	1 3/16	529	4860	1	080100030

eye and jaw turnbuckles,
galvanized

Ø mm			
M8	1	1	080109008
M10	1	1	080109010
M12	1	1	080109012
M14	1	1	080109014

8010TZ

eye and jaw turnbuckles,
pipe bodies DIN 1478,
galvanized



TECHNICAL DATA

• safety factor: 4

LABORATORY TESTS • chemical analysis

- tensile test

AVAILABLE CERTIFICATES

- Production specifications
- Test report type 2.2 UNI EN10204
- CE Declaration of Conformity

Ø mm	≈ "	WFL kg		
M12	1/2	690	10	080100612
M16	5/8	1290	1	080100616
M20	3/4	2130	1	080100620
M24	1	3060	1	080100624
M27	1.1/8	4000	1	080100627
M30	1.3/16	4860	1	080100630

8001Z

turnbuckle bodies,
galvanized



TECHNICAL DATA

• safety factor: 4

- traceability code

LABORATORY TESTS

- chemical analysis
- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- CE Declaration of Conformity

Ø mm	≈ "	L mm	WFL kg		
M5	3/16	80	115	100	080010105
M6	1/4	80	160	100	080010106
M8	5/16	105	300	25	080010108
M10	3/8	125	470	20	080010110
M11	7/16	135	580	15	080010111
M12	1/2	140	690	20	080010112
M14	9/16	170	940	15	080010114
M16	5/8	190	1290	15	080010116
M18	11/16	205	1660	10	080010118
M20	3/4	220	2130	10	080010120
M22	7/8	240	2630	8	080010122
M24	1"	260	3060	5	080010124
M27	1 1/8	270	4000	1	080010127
M30	1 3/16	280	4860	1	080010130
M33	1 1/4	290	6040	1	080010133
M36	1 3/8	300	6500	1	080010198
M39	1 1/2	300	7900	1	080010199

Whitworth thread subject to availability
New batches with metric thread

turnbuckle bodies,
galvanized

Ø mm			
M5	2	1	080019305
M6	2	1	080019306
M8	1	1	080019108
M10	1	1	080019110
M11	1	1	080019111
M12	1	1	080019112
M14	1	1	080019114
M16	1	1	080019116
M18	1	1	080019118
M20	1	1	080019120
M22	1	1	080019122
M24	1	1	080019124

 **Robur**

8001TZ

pipe turnbuckle bodies,
galvanized

CE



DIN 1478

TECHNICAL DATA

- safety factor: 4
- traceability code

LABORATORY TESTS

- chemical analysis
- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- CE Declaration of Conformity

Ø mm	≈ "	L mm	WFL kg		
M12	1/2	125	690	10	080010512
M16	5/8	170	1290	5	080010516
M20	3/4	200	2130	5	080010520
M24	1	255	3060	3	080010524
M27	1 1/8	255	4000	1	080010527
M30	1 3/16	255	4860	1	080010530
M36	1 3/8	295	6500	1	080010536
M42	1 5/8	330	9700	1	080010542

* Sizes not contemplated by the standard

pipe turnbuckle bodies,
galvanized



Ø mm	≈ "		
M12	1	1	080019512
M16	1	1	080019516
M20	1	1	080019520
M24	1	1	080019524

8002ZD

turnbuckle eyes
right thread, galvanized



TECHNICAL DATA

- safety factor: 4

LABORATORY TESTS

- chemical analysis
- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

Ø mm	≈ "	E mm	WFL kg		
M5	3/16	37	115	200	080020105
M6	1/4	40	160	150	080020106
M8	5/16	52	300	100	080020108
M10	3/8	60	470	100	080020110
M11	7/16	65	580	1	080020111
M12	1/2	72	690	50	080020112
M14	9/16	85	940	1	080020114
M16	5/8	95	1290	1	080020116
M18	11/16	103	1660	1	080020118
M20	3/4	110	2130	1	080020120
M22	7/8	120	2630	1	080020122
M24	1"	130	3060	1	080020124
M27	1 1/8	135	4000	1	080020127
M30	1 3/16	140	4860	1	080020130
M33	1 1/4	148	6040	1	080020133
M36	1 3/8	150	6500	1	080020136
M39	1 1/2	150	7900	1	080020139

Whitworth thread subject to availability
New batches with metric thread

left-handed thread

Ø mm	≈ "	E mm	WFL kg		
M5	3/16	37	115	1	080020305
M6	1/4	40	160	1	080020306
M8	5/16	52	300	1	080020308
M10	3/8	60	470	1	080020310
M11	7/16	65	580	1	080020311
M12	1/2	72	690	1	080020312
M14	9/16	85	940	1	080020314
M16	5/8	95	1290	1	080020316
M18	11/16	103	1660	1	080020318
M20	3/4	110	2130	1	080020320
M22	7/8	120	2630	1	080020322
M24	1"	130	3060	1	080020324
M27	1 1/8	135	4000	1	080020327
M30	1 3/16	140	4860	1	080020330
M33	1 1/4	148	6040	1	080020333
M36	1 3/8	150	6500	1	080020336
M39	1 1/2	150	7900	1	080020339

8003ZD

turnbuckle hooks
right thread, galvanized



TECHNICAL DATA

- safety factor: 4

LABORATORY TESTS

- chemical analysis
- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

Ø mm	≈ "	E mm	WFL kg		
M5	3/16	40	25	150	080030105
M6	1/4	40	45	120	080030106
M8	5/16	52	95	100	080030108
M10	3/8	60	140	70	080030110
M11	7/16	65	165	1	080030111
M12	1/2	70	300	30	080030112
M14	9/16	85	420	1	080030114
M16	5/8	95	570	1	080030116
M18	11/16	103	700	1	080030118
M20	3/4	110	900	1	080030120
M22	7/8	120	1100	1	080030122
M24	1"	130	1300	1	080030124
M27	1 1/8	135	2300	1	080030127

left-handed thread

Ø mm	≈ "	WFL kg	E mm		
M5	3/16	40	25	1	080030305
M6	1/4	40	45	1	080030306
M8	5/16	52	95	1	080030308
M10	3/8	60	140	1	080030310
M11	7/16	65	165	1	080030311
M12	1/2	70	300	1	080030312
M14	9/16	85	420	1	080030314
M16	5/8	95	570	1	080030316
M18	11/16	103	700	1	080030318
M20	3/4	110	900	1	080030320
M22	7/8	120	1100	1	080030322
M24	1"	130	1300	1	080030324
M27	1 1/8	135	2300	1	080030327

8004ND

turnbuckle stubs
right-handed thread, self-coloured



TECHNICAL DATA

- safety factor: 4

LABORATORY TESTS

- chemical analysis
- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

Ø mm	≈ "	E mm	WFL kg		
M5	3/16	40	115	1	080040005
M6	1/4	44	160	1	080040006
M8	5/16	53	300	1	080040008
M10	3/8	63	470	1	080040010
M12	1/2	70	690	1	080040012
M14	9/16	85	940	1	080040014
M16	5/8	95	1290	1	080040016
M18	11/16	103	1660	1	080040018
M20	3/4	110	2130	1	080040020
M22	7/8	120	2630	1	080040022
M24	1"	130	3060	1	080040024
M27	1 1/8	135	4000	1	080040027
M30	1 3/16	140	4860	1	080040030
M33	1 1/4	150	6040	1	080040033
M36	1 3/8	150	6500	1	080040036
M39	1 1/2	150	7900	1	080040039

Whitworth thread subject to availability
New batches with metric thread

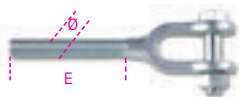
left-handed thread

Ø mm	≈ "	E mm	WFL kg		
M5	3/16	40	115	1	080040105
M6	1/4	44	160	1	080040106
M8	5/16	53	300	1	080040108
M10	3/8	63	470	1	080040110
M12	1/2	70	690	1	080040112
M14	9/16	85	940	1	080040114
M16	5/8	95	1290	1	080040116
M18	11/16	103	1660	1	080040118
M20	3/4	110	2130	1	080040120
M22	7/8	120	2630	1	080040122
M24	1"	130	3060	1	080040124
M27	1 1/8	135	4000	1	080040127
M30	1 3/16	140	4860	1	080040130
M33	1 1/4	150	6040	1	080040133
M36	1 3/8	150	6500	1	080040136
M39	1 1/2	150	7900	1	080040139



8009FD

turnbuckle jaws
right-handed thread, galvanized



TECHNICAL DATA

- safety factor: 4
- LABORATORY TESTS
- chemical analysis
- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

Ø mm	n	E mm	WFL kg		
M8	5/16	53	300	1	080090208
M10	3/8	63	470	1	080090210
M12	1/2	70	690	1	080090212
M14	9/16	85	940	1	080090214
M16	5/8	95	1290	1	080090216
M18	11/16	103	1660	1	080090218
M20	3/4	110	2130	1	080090220
M22	7/8	120	2630	1	080090222
M24	1"	130	3060	1	080090224
M27	1 1/8	135	4000	1	080090227
M30	1 3/16	140	4860	1	080090230

left-handed thread

Ø mm	n	E mm	WFL kg		
M8	5/16	53	300	1	080090408
M10	3/8	63	470	1	080090410
M12	1/2	70	690	1	080090412
M14	9/16	85	940	1	080090414
M16	5/8	95	1290	1	080090416
M18	11/16	103	1660	1	080090418
M20	3/4	110	2130	1	080090420
M22	7/8	120	2630	1	080090422
M24	1"	130	3060	1	080090424
M27	1 1/8	135	4000	1	080090427
M30	1 3/16	140	4860	1	080090430

8048

eye tie rods right thread
self-coloured



UNI 6058

ØxL mm	WFL kg	F mm		
M8x50	430	6	1	080480108
M8x65	430	6	1	080480109
M10x80	690	8	1	080480110
M10x100	690	8	1	080480210
M10x130	690	8	1	080480111
M12x70	1020	10	1	080480212
M12x95	1020	10	1	080480112
M12x125	1020	10	1	080480113
M14x110	1420	12	1	080480114
M16x100	1980	14	1	080480115
M16x130	1980	14	1	080480116
M18x150	2390	16	1	080480118
M20x160	3100	18	1	080480120
M22x180	3890	18	1	080480122
M24x200	4460	20	1	080480124
M24x220	4460	20	1	080480125
M27x220	5900	22	1	080480127

8302Z

fastening eye bolts,
right thread, galvanized



TECHNICAL DATA

- safety factor: 4
- AVAILABLE CERTIFICATES
- Technical product specifications
- Test report UNI EN10204 type 2.2

Ø mm	E mm	F mm	WFL kg		
M5	48	8	115	200	083020005
M6	55	10	160	150	083020006
M8	60	12	300	100	083020008
M10	73	14	470	100	083020010
M12	90	17	690	50	083020012

8303Z

fastening hooks
right thread, galvanized



TECHNICAL DATA

- safety factor: 4
- AVAILABLE CERTIFICATES
- Technical product specifications
- Test report UNI EN10204 type 2.2

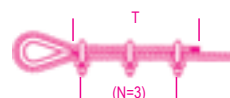
Ø mm	C mm	E mm	WFL kg		
M5	6,0	48	25	120	083030005
M6	8,0	55	45	100	083030006
M8	10,0	60	95	75	083030008
M10	12,5	73	140	50	083030010
M12	16,0	90	220	20	083030012

Robur

8016

wire rope clips,
hot forged steel body,
galvanized

CE



TECHNICAL DATA

- chemical analysis
- torque test
- AVAILABLE CERTIFICATES
- Technical product specifications
- Test report UNI EN10204 type 2.2
- CE Certificate of Conformity

Ø mm	Ø "	N x T	Nm		
3	1/8	3x80	1,53	500	080160003
5	3/16	3x110	3,02	300	080160005
6	1/4	3x120	5,19	200	080160006
8	5/16	5x210	5,19	150	080160008
10	3/8	5x240	12,54	70	080160010
11	7/16	5x260	12,54	70	080160011
12-13	1/2	5x300	24,76	40	080160013
14	9/16	5x295	24,76	35	080160014
16	5/8	5x335	24,76	30	080160016
18	11/16	5x380	42,42	30	080160018
20	3/4	5x540	42,42	30	080160020
22	7/8	7x595	42,42	25	080160022
24-26	1"	7x700	67,56	15	080160026
28	1 1/16	8x840	67,56	5	080160028
30-32	1 1/8	8x990	67,56	5	080160030
34-36	1 1/4	8x1155	105,80	4	080160034
38-40	1 1/2	8x1320	105,80	2	080160040
45-50	2"	8x1500	206	1	080160050

special packaging

Ø mm	"			
3	1/8	100	1	080160703
5	3/16	50	1	080160705
6	1/4	50	1	080160706
8	5/16	30	1	080160708
10	3/8	30	1	080160710
11	7/16	25	1	080160711
12-13	1/2	15	1	080160713

wire rope clips,
hot forged steel body,
galvanized

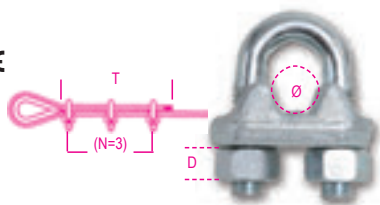


Ø mm			
3	6	1	080169403
5	4	1	080169405
6	4	1	080169406
8	4	1	080169408
10	2	1	080169410
11	1	1	080169011
12-13	1	1	080169013
14	1	1	080169014
16	1	1	080169016
18	1	1	080169018
20	1	1	080169020
22	1	1	080169022
24-26	1	1	080169026

8016DA

wire rope clips with high nuts,
hot forged steel body,
galvanized

CE



LABORATORY TESTS

- chemical analysis
- torque test

AVAILABLE CERTIFICATES

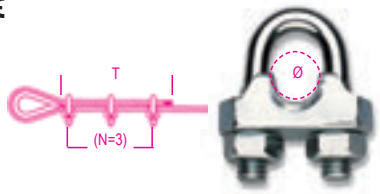
- Technical product specifications
- Test report UNI EN10204 type 2.2
- CE Certificate of Conformity

Ø mm	N x T mm	Nm	D mm		
5	3x110	3,02	5	300	080160093
6	3x120	5,19	6	200	080160092
8	5x210	5,19	6	150	080160098
10	5x240	12,54	8	70	080160096

8016FR

wire rope clips,
cold pressed steel body,
galvanized

CE



LABORATORY TESTS

- chemical analysis

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- CE Certificate of Conformity

Ø mm	Ø mm	N x T mm	Nm		
3	1/8	3x80	1,25	500	080160253
5	3/16	3x110	2,46	300	080160255
6	1/4	3x120	4,24	200	080160256
8	5/16	5x210	4,24	150	080160258

wire rope clips,
cold pressed steel body,
galvanized

Ø mm			
3	6	1	080169753
5	6	1	080169755
6	4	1	080169756
8	4	1	080169758

8018E

wire rope clips, ENEL type,
hot forged steel body, hot-dip galvanized
U-bolts and nuts with chemical galv. protection



LABORATORY TESTS

- chemical analysis

AVAILABLE CERTIFICATES

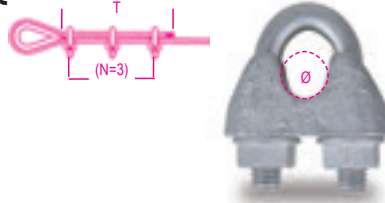
- Technical product specifications
- Test report UNI EN10204 type 2.2

Ø mm	A mm	L mm	Nm		
4÷6	M6	34	4,24	100	080180001

8016U2

wire rope clips
malleable cast iron body
galvanized

CE



dimensioni EN 13411-5 tipo A

TECHNICAL DATA

- traceability code

LABORATORY TESTS

- chemical analysis
- torque test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- Manufacturer's Certificate UNI EN13411-5
- CE Certificate of Conformity

Ø mm	Ø mm	N x T mm	Nm		
5	3/16	3x156	2,0	300	080160855
6,5	1/4	3x192	3,5	150	080160856
8	5/16	4x320	6	70	080160858
10	3/8	4x320	9	60	080160860
12	1/2	4x384	20	25	080160862
14	9/16	4x448	33	15	080160864
16	5/8	4x512	49	10	080160866
19	3/4	4x512	68	10	080160869
22	7/8	5x680	107	10	080160872
26	1	5x760	147	5	080160876
30	1.1/8	6x984	212	5	080160880
34	1.1/4	6x1080	296	5	080160884
40	1.1/2	6x1176	363	5	080160890

wire rope clips EN 13411-5, type A
malleable cast iron body
galvanized

Ø mm			
5	4	1	080169805
6	4	1	080169806
8	4	1	080169808
10	2	1	080169810
12	1	1	080169612
14	1	1	080169614
16	1	1	080169616
19	1	1	080169619
22	1	1	080169622
26	1	1	080169626

8018T

wire rope clips, TELECOM type
malleable cast iron body
galvanized



RUM-MU-21:1980

LABORATORY TESTS

- chemical analysis

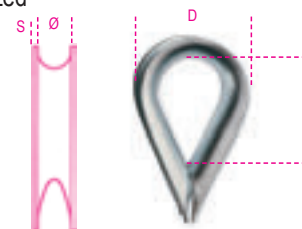
AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

Ø mm	A mm	L mm	Nm		
8÷10	M8	42	10,20	200	080180003

8020

thimbles, italian light type,
galvanized



AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

Ø mm	S mm	B mm	D mm		
2-3	0,8	20	20	350	080200003
4	1,0	22	21	300	080200004
5	1,0	23	24	300	080200005
6	1,0	27	29	200	080200006
8	1,2	33	33	180	080200008
10	1,5	40	39	100	080200010
12	1,8	44	46	120	080200012
14	2,0	49	50	100	080200014
16	2,0	57	59	150	080200016
18	2,5	68	69	100	080200018
20	3,0	78	77	70	080200020
22	3,0	88	84	60	080200022
24	3,5	92	91	40	080200025

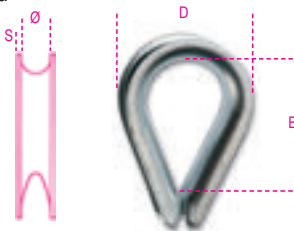
special packaging

Ø mm	S mm		
2-3	0,8	150	1 080200703
4	1,0	150	1 080200704
5	1,0	100	1 080200705
6	1,0	100	1 080200706
8	1,2	50	1 080200708
10	1,5	30	1 080200710

Robur

8021

thimbles, heavy type,
galvanized



AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

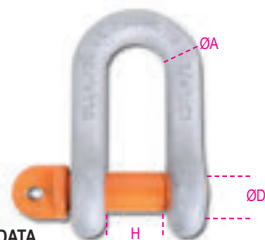
Ø	S	B	D		
mm	mm	mm	mm		
2-3	0,6	15	16	150	080210003
5	1,7	29	28	120	080210005
6	1,8	33	30	100	080210006
8	2,5	36	37	100	080210008
10	2,5	42	43	80	080210010
12	2,5	48	50	100	080210012
14	2,7	58	57	70	080210014
16	3,0	61	62	50	080210016
18	3,5	71	71	70	080210018
20	4,0	79	79	60	080210020
22	4,0	87	84	50	080210022
24	4,0	93	92	40	080210024
26	4,0	103	103	35	080210026
28	5,0	107	116	1	080210028
30	5,0	118	121	1	080210030
32	5,5	138	135	1	080210032
35	6,0	140	147	1	080210035
40	6,0	173	170	1	080210040

8026R

straight shackles with screw collar pin,
high-tensile alloy steel, GRADE 6,
hot-dipped galvanized body

CE

EN 13889
GRADE 6



TECHNICAL DATA

- minimum safety factor: 6
- heat treatment: hardening and tempering
- traceability code on both pin and body

LABORATORY TESTS

- chemical analysis
- metallographic analysis
- tensile test
- fatigue test (min. 20,000 cycles)
- proof load test (2 x WLL)

AVAILABLE CERTIFICATES

- Technical Product Specifications
- Test Report UNI EN10204 type 2.2
- Inspection Certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

ØA	ØD	H	WLL		
mm	mm	mm	kg		
13	16	21	2000	5	080260212
16	19	27	3250	3	080260216
19	22	32	4750	2	080260219
22	25	37	6500	2	080260222

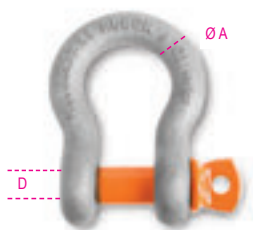
straight shackles with screw collar pin,
high-tensile alloy steel, GRADE 6,
hot-dipped galvanized body

ØA					
mm					
13	1	1	080269212		
16	1	1	080269216		

8029R

bow shackles with screw collar pins,
high-tensile alloy steel, GRADE 6,
hot-dipped galvanized body

CE



EN 13889
GRADO 6

TECHNICAL DATA

- minimum safety factor: 6
- heat treatment: hardening and tempering
- traceability code on pin and body

LABORATORY TESTS

- chemical analysis
- metallographic analysis
- tensile test
- fatigue test (min. 20,000 cycles)
- proof load test (2 x WLL)

AVAILABLE CERTIFICATES

- Technical Product Specifications
- Test Report UNI EN10204 type 2.2
- Inspection Certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

8029R	6	8	500	20	080290106
8029R	8	10	750	15	080290108
8029R	10	11	1000	15	080290110
8029R	11	13	1500	10	080290111
8029R	13	16	2000	8	080290112
8029R	16	19	3250	5	080290116
8029R	19	22	4750	2	080290120
8029R	22	25	6500	2	080290122
8029R	26	28	8500	1	080290124
8029R	29	32	9500	1	080290128
8029R	32	35	12000	1	080290132
8029R	35	38	13500	1	080290135
8029R	38	42	17000	1	080290138
8029R	45	50	25000	1	080290145
8029R	50	57	35000	1	080290150
8029R	57	65	42500	1	080290157
8029R	65	70	55000	1	080290165

bow shackles with screw collar pins,
high-tensile alloy steel, GRADE 6,
hot-dipped galvanized body

ØA					
mm					
6	1	1	080299106		
8	1	1	080299108		
10	1	1	080299110		
11	1	1	080299111		
13	1	1	080299112		
16	1	1	080299116		

Robur

Robur

8031R

bow shackles with safety bolt, EN13889
high-tensile alloy steel, GRADE 6,
hot-dip galvanized body

CE



EN 13889
GRADO 6

TECHNICAL DATA

- minimum safety factor: 6
- heat treatment: hardening and tempering
- traceability code on pin and body

LABORATORY TESTS

- chemical analysis
- metallographic analysis
- tensile test
- fatigue test (min. 20,000 cycles)
- proof load test (2 x WLL)

AVAILABLE CERTIFICATES

- Technical Product Specifications
- Test Report UNI EN10204 type 2.2
- Inspection Certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

8031R	ØD	ØA	H	WLL		
	mm	mm	mm	kg		
8031R	13	11	18	1500	5	080310111
8031R	16	13	21	2000	5	080310112
8031R	19	16	27	3250	3	080310116
8031R	22	19	32	4750	2	080310120
8031R	25	22	37	6500	2	080310122
8031R	28	26	43	8500	1	080310124
8031R	32	29	48	9500	1	080310128
8031R	35	32	53	12000	1	080310132
8031R	38	35	59	13500	1	080310135
8031R	42	38	62	17000	1	080310138
8031R	50	45	75	25000	1	080310145
8031R	57	50	83	35000	1	080310150
8031R	70	65	105	55000	1	080310165
8031R	83	75	127	85000	1	080310183

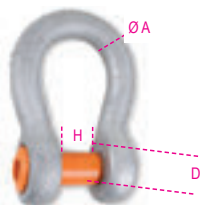
bow shackles with safety bolt, EN13889
high-tensile alloy steel, GRADE 6,
hot-dip galvanized body

ØA					
mm					
13	1	1	080319112		
16	1	1	080319116		

8032

bow shackles with square sunken hole screw pin, high-tensile alloy steel, GRADE 6, hot-dip galvanized body

CE



GRADE 6

TECHNICAL DATA

- minimum safety factor: 6
- heat treatment: hardening and tempering
- traceability code on pin and body

LABORATORY TESTS

- chemical analysis
- metallographic analysis
- tensile test

- fatigue test (min. 20,000 cycles)
- proof load test (2 x WLL)

AVAILABLE CERTIFICATES

- Technical Product Specifications
- Test Report UNI EN10204 type 2.2
- Inspection Certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

ØA mm	ØD mm	H mm	WLL kg		
13	16	21	2000	5	080320012
16	19	27	3250	3	080320016
19	22	32	4750	2	080320020
22	25	37	6500	2	080320022

bow shackles with square sunken hole screw pin, high-tensile alloy steel, GRADE 6, hot-dip galvanized body

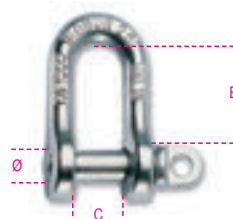


ØA mm				
13	1	1	080329012	
16	1	1	080329016	

8026A

lifting DEE shackles, hot forged carbon steel, UNI 1947 type A, galvanized

CE



GRADO 4

TECHNICAL DATA

- safety factor: 5
- heat treatment: normalizing
- traceability code

LABORATORY TESTS

- chemical analysis
- metallographic analysis
- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

Ø mm	≈ "	B x C mm	WLL kg		
12	1/2	42x20	630	35	080260012
14	9/16	46x22	800	30	080260014
16	5/8	50x24	1000	20	080260016
18	11/16	54x26	1300	15	080260018
20	3/4	58x28	1600	10	080260020
22	7/8	69x32	2000	10	080260022
25	1"	79x36	2500	5	080260025
28	1.1/8	90x40	3150	2	080260028

Ø mm	≈ "	B x C mm	WLL kg		
32	1.1/4	100x45	4000	1	080260032
36	1.3/8	110x50	5000	1	080260036
40	1.9/16	120x55	6300	1	080260040
42	1.5/8	131x60	8000	1	080260042
45	1.3/4	143x65	10000	1	080260045
50	2"	155x70	12500	1	080260050

lifting DEE shackles, hot forged carbon steel, UNI 1947 type A, galvanized



Ø mm				
12	1	1	080269012	
14	1	1	080269014	
16	1	1	080269016	
18	1	1	080269018	
20	1	1	080269020	
22	1	1	080269022	
25	1	1	080269025	



8025

lifting LARGE DEE shackles, hot forged carbon steel, galvanized

CE



GRADO 4

TECHNICAL DATA

- safety factor: 5
- heat treatment: normalizing
- traceability code

LABORATORY TESTS

- chemical analysis
- metallographic analysis
- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

Ø mm	≈ "	B x C mm	WLL kg		
5	3/16	21x10	70	250	080250005
6	1/4	25x12	100	250	080250006
8	5/16	33x16	250	150	080250008
10	3/8	42x20	400	180	080250010
11	7/16	46x22	500	130	080250011
12	1/2	50x24	600	100	080250012
14	9/16	57x28	800	70	080250014
16	5/8	61x32	1000	10	080250016
18	11/16	65x36	1300	10	080250018
20	3/4	70x40	1600	10	080250020
22	7/8	74x44	2000	10	080250022
25	1"	80x48	2800	2	080250025

special packaging

Ø mm	≈ "			
5	3/16	25	1	080250705
6	1/4	25	1	080250706
8	5/16	25	1	080250708
10	3/8	15	1	080250710
11	7/16	12	1	080250711
12	1/2	12	1	080250712
14	9/16	10	1	080250714

lifting LARGE DEE shackles, hot forged carbon steel, galvanized

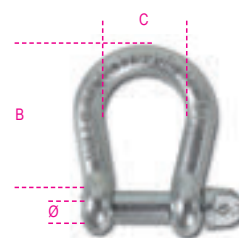


Ø mm				
5	4	1	080259205	
6	4	1	080259206	
8	2	1	080259208	
10	2	1	080259210	
11	1	1	080259011	
12	1	1	080259012	
14	1	1	080259014	
16	1	1	080259016	
18	1	1	080259018	
20	1	1	080259020	
22	1	1	080259022	
25	1	1	080259025	

8028

lifting BOW shackles, hot forged carbon steel, galvanized

CE



GRADO 4

TECHNICAL DATA

- safety factor: 5
- heat treatment: normalizing
- traceability code

LABORATORY TESTS

- chemical analysis
- metallographic analysis
- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

Ø mm	≈ "	B x C mm	WLL kg		
5	3/16	20x16	80	100	080280105
6	1/4	24x20	100	70	080280106
8	5/16	32x24	200	35	080280108
10	3/8	40x33	300	25	080280110
12	1/2	48x39	500	15	080280112
14	9/16	56x46	600	7	080280114
16	5/8	64x46	800	10	080280116
18	11/16	71x59	950	5	080280118
20	3/4	80x65	1100	5	080280120
22	7/8	88x72	1500	5	080280122
25	1"	100x81	2000	2	080280125
28	1.1/8	112x91	2600	1	080280128
32	1.1/4	128x104	3200	1	080280132
38	1.1/2	152x124	4500	1	080280138

lifting BOW shackles, hot forged carbon steel, galvanized



Ø mm				
5	4	1	080289305	
6	4	1	080289306	
8	2	1	080289308	
10	2	1	080289310	
12	1	1	080289112	
14	1	1	080289114	
16	1	1	080289116	
18	1	1	080289118	
20	1	1	080289120	
22	1	1	080289122	

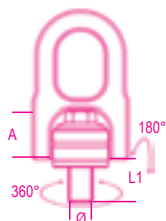
8049 WLL (t)

	A°	M8	M10	M12	M16	M20	M24	M30
	0°	0,3	0,6	1	1,6	2,5	4	6,3
	0°	0,6	1,2	2	3,2	5	8	12,6
	90°	0,3	0,6	1	1,6	2,5	4	6,3
	90°	0,6	1,2	2	3,2	5	8	12,6
	45°	0,4	0,8	1,4	2,2	3,5	5,6	8,8
	45°	0,3	0,6	1	1,6	2,5	4	6,3
	60°	0,3	0,6	1	1,6	2,3	4	6,3

8049

adjustable lifting eyebolts,
double swivel ring,
high-tensile alloy steel

CE



TECHNICAL DATA

- safety factor: 5
- heat treatment: hardening and tempering

LABORATORY TESTS

- chemical analysis
- metallographic analysis
- tensile test
- fatigue test (20,000 cycles)

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

Ø mm	A mm	L1 mm	WLL kg	
M8	31,5	14	300	1 080490008
M10	31,5	17	600	1 080490010
M12	31,5	21	1000	1 080490012
M16	45	27	1600	1 080490016
M20	45	30	2500	1 080490020
M24	60,5	36	4000	1 080490024
M30	60,5	45	6300	1 080490030

DIN 580 / 582 : 2010				
	WLL I kg	WLL II kg	WLL III kg	WLL IV kg
* M6	30	30	30	30
M8	140	140	140	95
M10	230	230	230	160
M12	340	340	340	240
* M14	480	480	480	335
M16	700	700	700	495
* M18	930	930	930	655
M20	1200	1200	1200	845
* M22	1450	1450	1450	1025
M24	1800	1800	1800	1270
* M27	2400	2400	2400	1695
M30	3200	3200	3200	2260
* M33	3900	3900	3900	2755
M36	4600	4600	4600	3250
M42	6300	6300	6300	4455
M48	8600	8600	8600	6080
M56	11500	11500	11500	8130
M64	16000	15550	16000	11310

8041

lifting eyebolts,
high-tensile alloy steel

CE



TECHNICAL DATA

- safety factor: 4
- heat treatment: hardening and tempering

LABORATORY TESTS

- chemical analysis
- metallographic analysis
- tensile test
- fatigue test (20,000 cycles)
- proof load test (100% of batch)

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

Ø mm	E mm	WLL kg	
* M8	1,25	13	600 10 080410208
* M10	1,5	17	800 6 080410210
* M12	1,75	20,5	1300 4 080410212
* M16	2	27	3200 2 080410216
* M20	2,5	30	4800 2 080410220
* M24	3	36	6500 2 080410224
* M30	3,5	45	9500 1 080410230

(*) Dimensional specifications DIN 580:2010

WLL increased according to Robur Technical Product Specifications

lifting eyebolts, high-tensile alloy steel

Ø mm			
* M8	1	1	080419208
* M10	1	1	080419210
* M12	1	1	080419212

8043

lifting eye nuts,
high-tensile alloy steel

CE



TECHNICAL DATA

- safety factor: 4
- heat treatment: hardening and tempering

LABORATORY TESTS

- chemical analysis
- metallographic analysis
- tensile test
- fatigue test (20,000 cycles)
- proof load test (100% of batch)

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

Ø mm	E mm	F mm	WLL kg	
* M8	1,25	20	600	10 080430208
* M10	1,50	25	800	6 080430210
* M12	1,75	30	1300	4 080430212
* M16	2	35	3200	2 080430216
* M20	2,5	40	4800	2 080430220
* M24	3	50	6500	2 080430224
* M30	3,5	60	9500	1 080430230

(*) Dimensional specifications DIN 582:2010

WLL increased according to Robur Technical Product Specifications

lifting eye nuts, high-tensile alloy steel

Ø mm			
* M8	1	1	080439208
* M10	1	1	080439210
* M12	1	1	080439212

Robur

Robur

8040EZ

lifting eye bolts, DIN 580
galvanized



DIN 580:2010-09

TECHNICAL DATA

- safety factor: 6
- heat treatment: normalizing
- traceability code

LABORATORY TESTS

- chemical analysis
- metallographic analysis
- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

Ø mm	WLL kg	E mm	WLL kg		
* M6	1	11	90	60	080400406
M8	1,25	13	140	60	080400408
M10	1,5	17	230	40	080400410
M12	1,75	20,5	340	20	080400412
* M14	2	20,5	480	20	080400414
M16	2	27	700	10	080400416
* M18	2,5	27	930	10	080400418
M20	2,5	30	1200	10	080400420
* M22	2,5	30	1450	10	080400422
M24	3	36	1800	5	080400424
* M27	3	41	2400	5	080400427
M30	3,5	45	3200	2	080400430
* M33	3,5	54	3900	2	080400433
* M33F	2	54	3900	2	080400434
M36	4	54	4600	2	080400436
* M36F	3	54	4600	2	080400437
M42	4,5	63	6300	1	080400442
* M42F	3	63	6300	1	080400443
M48	5	68	8600	1	080400448
* M48F	3	68	8600	1	080400449
M56	5,5	78	11500	1	080400456
* M56F	4	78	11500	1	080400457
M64	6	90	16000	1	080400464
* M64F	4	90	16000	1	080400465

*Sizes not included in DIN standard

lifting eye bolts, DIN 580
galvanized



Ø mm			
M6	4	1	080409606
M8	4	1	080409608
M10	2	1	080409610
M12	1	1	080409412
* M14	1	1	080409414
M16	1	1	080409416
* M18	1	1	080409418
M20	1	1	080409420
* M22	1	1	080409422
M24	1	1	080409424
* M27	1	1	080409427
M30	1	1	080409430

8040EN

lifting eye bolts, DIN 580
self-coloured



DIN 580:2010-09

TECHNICAL DATA

- safety factor: 6
- heat treatment: normalizing
- traceability code

LABORATORY TESTS

- chemical analysis
- metallographic analysis
- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

Ø mm	WLL kg	E mm	WLL kg		
* M6	1	11	90	60	080400306
M8	1,25	13	140	60	080400308
M10	1,5	17	230	40	080400310
M12	1,75	20,5	340	20	080400312
* M14	2	20,5	480	20	080400314
M16	2	27	700	10	080400316
* M18	2,5	27	930	10	080400318
M20	2,5	30	1200	10	080400320
* M22	2,5	30	1450	10	080400322
M24	3	36	1800	5	080400324
* M27	3	41	2400	5	080400327
M30	3,5	45	3200	2	080400330
* M33	3,5	54	3900	2	080400333
* M33F	2	54	3900	2	080400334
M36	4	54	4600	2	080400336
* M36F	3	54	4600	2	080400337
M42	4,5	63	6300	1	080400342
* M42F	3	63	6300	1	080400343
M48	5	68	8600	1	080400348
* M48F	3	68	8600	1	080400349
M56	5,5	78	11500	1	080400356
* M56F	4	78	11500	1	080400357
M64	6	90	16000	1	080400364
* M64F	4	90	16000	1	080400365

*Sizes not included in DIN standard

lifting eye bolts, DIN 580
self-coloured



Ø mm			
M6	4	1	080409506
M8	4	1	080409508
M10	2	1	080409510
M12	1	1	080409312
* M14	1	1	080409314
M16	1	1	080409316
* M18	1	1	080409318
M20	1	1	080409320
* M22	1	1	080409322
M24	1	1	080409324
* M27	1	1	080409327
M30	1	1	080409330

8042EN

lifting eye nuts, DIN 582
self-coloured



DIN 582:2010-09

TECHNICAL DATA

- safety factor: 6
- heat treatment: normalizing
- traceability code

LABORATORY TESTS

- chemical analysis
- metallographic analysis
- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

Ø mm	WLL kg	F mm	WLL kg		
* M6	1	14	90	60	080420306
M8	1,25	20	140	60	080420308
M10	1,5	25	230	40	080420310
M12	1,75	30	340	30	080420312
* M14	2	30	480	30	080420314
M16	2	35	700	20	080420316
* M18	2,5	35	930	20	080420318
M20	2,5	40	1200	10	080420320
* M22	2,5	40	1450	10	080420322
M24	3	50	1800	5	080420324
* M27	3	55	2400	5	080420327
M30	3,5	60	3200	3	080420330
M36	4	70	4600	2	080420336
* M36F	3	70	4600	2	080420337
M42	4,5	80	6300	1	080420342
* M42F	3	80	6300	1	080420343
M48	5	90	8600	1	080420348
* M48F	3	90	8600	1	080420349

*Sizes not included in DIN standard

lifting eye nuts, DIN 582
self-coloured



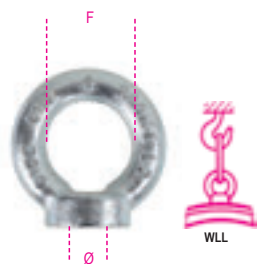
Ø mm			
M6	4	1	080429506
M8	4	1	080429508
M10	2	1	080429510
M12	1	1	080429312
* M14	1	1	080429314
M16	1	1	080429316
* M18	1	1	080429318
M20	1	1	080429320
* M22	1	1	080429322
M24	1	1	080429324
* M27	1	1	080429327
M30	1	1	080429330

Robur

8042EZ

lifting eye nuts, DIN 582
galvanized

CE



DIN 582:2010-09

TECHNICAL DATA

- safety factor: 6
- heat treatment: normalizing
- traceability code

LABORATORY TESTS

- chemical analysis
- metallographic analysis
- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

Ø mm	W mm	F mm	WLL kg		
* M6	1	14	90	60	080420406
M8	1,25	20	140	60	080420408
M10	1,5	25	230	40	080420410
M12	1,75	30	340	30	080420412
* M14	2	30	480	30	080420414
M16	2	35	700	20	080420416
* M18	2,5	35	930	20	080420418
M20	2,5	40	1200	10	080420420
* M22	2,5	40	1450	10	080420422
M24	3	50	1800	5	080420424
* M27	3	55	2400	5	080420427
M30	3,5	60	3200	3	080420430
M36	4	70	4600	2	080420436
* M36F	3	70	4600	2	080420437
M42	4,5	80	6300	1	080420442
* M42F	3	80	6300	1	080420443
M48	5	90	8600	1	080420448
* M48F	3	90	8600	1	080420449

*Sizes not included in DIN standard

lifting eye nuts, DIN 582
galvanized



Ø mm	W mm	F mm	WLL kg		
M6	4			1	080429606
M8	4			1	080429608
M10	2			1	080429610
M12	1			1	080429412
* M14	1			1	080429414
M16	1			1	080429416
* M18	1			1	080429418
M20	1			1	080429420
* M22	1			1	080429422
M24	1			1	080429424
* M27	1			1	080429427
M30	1			1	080429430

8044

lifting eye nuts, UNI 2948
self-coloured

CE



UNI 2948

TECHNICAL DATA

- safety factor: 4
- heat treatment: normalizing
- traceability code

LABORATORY TESTS

- chemical analysis
- metallographic analysis
- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

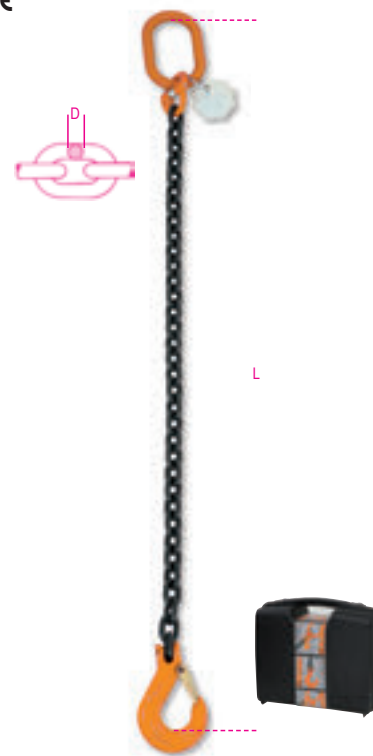
Ø mm	W mm	WLL kg		
M8	1,25	80	4	080440008
M10	1,5	160	4	080440010
M12	1,75	250	4	080440012
M14	2	250	2	080440014
M16	2	400	2	080440016
M20	2,5	630	2	080440020
M24	3	1000	2	080440024

CHAIN SLINGS Grade 8

8091

lifting chain slings, 1 leg
grade 8

CE



UNI EN 818-4

TECHNICAL DATA

- safety factor: 4
- chain-sling identification tag

ATTACHED CERTIFICATES

- Manufacturer's Certificate UNI EN818-4
- CE Declaration of Conformity

AVAILABLE CERTIFICATES

- Technical product specifications

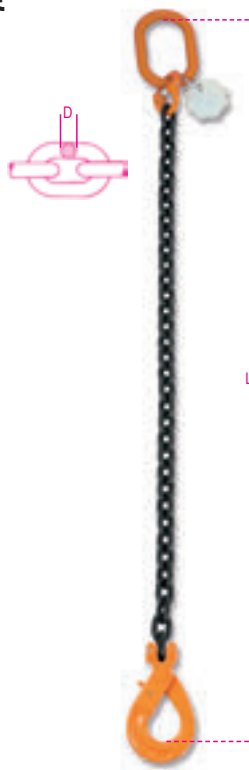
D mm	L m	WLL ton		
6*	1	1,12	1	080910001
6*	2	1,12	1	080910002
6*	3	1,12	1	080910003
6*	4	1,12	1	080910004
7*	1	1,5	1	080910021
7*	2	1,5	1	080910022
7*	3	1,5	1	080910023
7*	4	1,5	1	080910024
8*	1	2	1	080910041
8*	2	2	1	080910042
8*	3	2	1	080910043
8*	4	2	1	080910044
10*	1	3,15	1	080910051
10*	2	3,15	1	080910052
10*	3	3,15	1	080910053
10*	4	3,15	1	080910054
13*	1	5,3	1	080910131
13*	2	5,3	1	080910132
13*	3	5,3	1	080910133
13*	4	5,3	1	080910134
16*	1	8	1	080910161
16*	2	8	1	080910162
16*	3	8	1	080910163
16*	4	8	1	080910164

* packed in plastic case

8091SL

lifting chain slings,
1 leg, self-locking hook,
grade 8

CE



UNI EN 818-4

TECHNICAL DATA

- safety factor: 4
 - chain-sling identification tag
- ATTACHED CERTIFICATES**
- Manufacturer's Certificate UNI EN818-4
 - CE Declaration of Conformity
- AVAILABLE CERTIFICATES**
- Technical product specifications

D mm	L m	WLL ton	
6*	1	1,12	1 080910201
6*	2	1,12	1 080910202
6*	3	1,12	1 080910203
6*	4	1,12	1 080910204
7*	1	1,5	1 080910221
7*	2	1,5	1 080910222
7*	3	1,5	1 080910223
7*	4	1,5	1 080910224
8*	1	2	1 080910241
8*	2	2	1 080910242
8*	3	2	1 080910243
8*	4	2	1 080910244
10*	1	3,15	1 080910251
10*	2	3,15	1 080910252
10*	3	3,15	1 080910253
10*	4	3,15	1 080910254
13*	1	5,3	1 080910331
13*	2	5,3	1 080910332
13*	3	5,3	1 080910333
13*	4	5,3	1 080910334
16*	1	8	1 080910361
16*	2	8	1 080910362
16*	3	8	1 080910363
16*	4	8	1 080910364

* Packed in plastic case

8092

lifting chains sling, 2 legs
grade 8

CE



UNI EN 818-4

TECHNICAL DATA

- safety factor: 4
 - chain-sling identification tag
- ATTACHED CERTIFICATES**
- Manufacturer's Certificate UNI EN818-4
 - CE Declaration of Conformity
- AVAILABLE CERTIFICATES**
- Technical product specifications

D mm	L m	WLL ton	
6*	1	1,6	1 080920001
6*	2	1,6	1 080920002
6*	3	1,6	1 080920003
6*	4	1,6	1 080920004
7*	1	2,12	1 080920021
7*	2	2,12	1 080920022
7*	3	2,12	1 080920023
7*	4	2,12	1 080920024
8*	1	2,8	1 080920041
8*	2	2,8	1 080920042
8*	3	2,8	1 080920043
8*	4	2,8	1 080920044
10*	1	4,25	1 080920051
10*	2	4,25	1 080920052
10*	3	4,25	1 080920053
10*	4	4,25	1 080920054
13*	1	7,5	1 080920131
13*	2	7,5	1 080920132
13*	3	7,5	1 080920133
13*	4	7,5	1 080920134
16*	1	11,2	1 080920161
16*	2	11,2	1 080920162
16*	3	11,2	1 080920163
16*	4	11,2	1 080920164

* packed in plastic case

8092SL

lifting chain slings,
2 legs, self-locking hook,
grade 8

CE



UNI EN 818-4

TECHNICAL DATA

- safety factor: 4
 - chain-sling identification tag
- ATTACHED CERTIFICATES**
- Manufacturer's Certificate UNI EN818-4
 - CE Declaration of Conformity
- AVAILABLE CERTIFICATES**
- Technical product specifications

D mm	L m	WLL ton	
6*	1	1,6	1 080920201
6*	2	1,6	1 080920202
6*	3	1,6	1 080920203
6*	4	1,6	1 080920204
7*	1	2,12	1 080920221
7*	2	2,12	1 080920222
7*	3	2,12	1 080920223
7*	4	2,12	1 080920224
8*	1	2,8	1 080920241
8*	2	2,8	1 080920242
8*	3	2,8	1 080920243
8*	4	2,8	1 080920244
10*	1	4,25	1 080920251
10*	2	4,25	1 080920252
10*	3	4,25	1 080920253
10*	4	4,25	1 080920254
13*	1	7,5	1 080920331
13*	2	7,5	1 080920332
13*	3	7,5	1 080920333
13*	4	7,5	1 080920334
16*	1	11,2	1 080920361
16*	2	11,2	1 080920362
16*	3	11,2	1 080920363
16*	4	11,2	1 080920364

* Packed in plastic case



8094

lifting chain sling, 4 legs
grade 8

CE



UNI EN 818-4

TECHNICAL DATA

- safety factor: 4
 - chain-sling identification tag
- ATTACHED CERTIFICATES**
- Manufacturer's Certificate UNI EN818-4
 - CE Declaration of Conformity
- AVAILABLE CERTIFICATES**
- Technical product specifications

D mm	L m	WLL ton	
6*	1	2,36	1 080940001
6*	2	2,36	1 080940002
6*	3	2,36	1 080940003
6*	4	2,36	1 080940004
7*	1	3,15	1 080940021
7*	2	3,15	1 080940022
7*	3	3,15	1 080940023
7*	4	3,15	1 080940024
8*	1	4,25	1 080940041
8*	2	4,25	1 080940042
8*	3	4,25	1 080940043
8	4	4,25	1 080940044
10*	1	6,7	1 080940051
10	2	6,7	1 080940052
10	3	6,7	1 080940053
10	4	6,7	1 080940054
13	1	11,2	1 080940131
13	2	11,2	1 080940132
13	3	11,2	1 080940133
13	4	11,2	1 080940134
16	1	17	1 080940161
16	2	17	1 080940162
16	3	17	1 080940163
16	4	17	1 080940164

* packed in plastic case

8094SL

lifting chain slings,
4 legs, self-locking hook,
grade 8

CE



UNI EN 818-4

TECHNICAL DATA

- safety factor: 4
 - chain-sling identification tag
- ATTACHED CERTIFICATES**
- Manufacturer's Certificate UNI EN818-4
 - CE Declaration of Conformity
- AVAILABLE CERTIFICATES**
- Technical product specifications

D mm	L m	WLL ton	
6*	1	2,36	1 080940201
6*	2	2,36	1 080940202
6*	3	2,36	1 080940203
6*	4	2,36	1 080940204
7*	1	3,15	1 080940221
7*	2	3,15	1 080940222
7*	3	3,15	1 080940223
7*	4	3,15	1 080940224
8*	1	4,25	1 080940241
8*	2	4,25	1 080940242
8*	3	4,25	1 080940243
8	4	4,25	1 080940244
10*	1	6,7	1 080940251
10	2	6,7	1 080940252
10	3	6,7	1 080940253
10	4	6,7	1 080940254
13	1	11,2	1 080940331
13	2	11,2	1 080940332
13	3	11,2	1 080940333
13	4	11,2	1 080940334
16	1	17	1 080940361
16	2	17	1 080940362
16	3	17	1 080940363
16	4	17	1 080940364

* Packed in plastic case




8096

lifting chain sling, 1 leg
with clevis grab hook,
grade 8

CE



UNI EN 818-4

TECHNICAL DATA

- safety factor: 4
 - chain-sling identification tag
- ATTACHED CERTIFICATES**
- Manufacturer's Certificate UNI EN818-4
 - CE Declaration of Conformity
- AVAILABLE CERTIFICATES**
- Technical product specifications

D mm	L m	WLL ton	
6*	1	1,12	1 080960001
6*	2	1,12	1 080960002
6*	3	1,12	1 080960003
6*	4	1,12	1 080960004
7*	1	1,5	1 080960021
7*	2	1,5	1 080960022
7*	3	1,5	1 080960023
7*	4	1,5	1 080960024
8*	1	2	1 080960041
8*	2	2	1 080960042
8*	3	2	1 080960043
8*	4	2	1 080960044
10*	1	3,15	1 080960051
10*	2	3,15	1 080960052
10*	3	3,15	1 080960053
10*	4	3,15	1 080960054
13*	1	5,3	1 080960131
13*	2	5,3	1 080960132
13*	3	5,3	1 080960133
13*	4	5,3	1 080960134
16*	1	8	1 080960161
16*	2	8	1 080960162
16*	3	8	1 080960163
16	4	8	1 080960164

* packed in plastic case

8096SL

lifting chain slings,
1 leg, with self-locking and clevis grab hooks,
grade 8

CE



UNI EN 818-4

TECHNICAL DATA

- safety factor: 4
- chain-sling identification tag
- ATTACHED CERTIFICATES
- Manufacturer's Certificate UNI EN818-4
- CE Declaration of Conformity
- AVAILABLE CERTIFICATES
- Technical product specifications

D mm	L m	WLL ton		
6*	1	1,12	1	080960201
6*	2	1,12	1	080960202
6*	3	1,12	1	080960203
6*	4	1,12	1	080960204
7*	1	1,5	1	080960221
7*	2	1,5	1	080960222
7*	3	1,5	1	080960223
7*	4	1,5	1	080960224
8*	1	2	1	080960241
8*	2	2	1	080960242
8*	3	2	1	080960243
8*	4	2	1	080960244
10*	1	3,15	1	080960251
10*	2	3,15	1	080960252
10*	3	3,15	1	080960253
10*	4	3,15	1	080960254
13*	1	5,3	1	080960331
13*	2	5,3	1	080960332
13*	3	5,3	1	080960333
13*	4	5,3	1	080960334
16*	1	8	1	080960361
16*	2	8	1	080960362
16*	3	8	1	080960363
16	4	8	1	080960364

* Packed in plastic case

8097

lifting chain sling, 2 legs
with clevis grab hooks,
grade 8

CE



UNI EN 818-4

TECHNICAL DATA

- safety factor: 4
- chain-sling identification tag
- ATTACHED CERTIFICATES
- Manufacturer's Certificate UNI EN818-4
- CE Declaration of Conformity
- AVAILABLE CERTIFICATES

• Technical product specifications

D mm	L m	WLL ton		
6*	1	1,6	1	080970001
6*	2	1,6	1	080970002
6*	3	1,6	1	080970003
6*	4	1,6	1	080970004
7*	1	2,12	1	080970021
7*	2	2,12	1	080970022
7*	3	2,12	1	080970023
7*	4	2,12	1	080970024
8*	1	2,8	1	080970041
8*	2	2,8	1	080970042
8*	3	2,8	1	080970043
8*	4	2,8	1	080970044
10*	1	4,25	1	080970051
10*	2	4,25	1	080970052
10*	3	4,25	1	080970053
10*	4	4,25	1	080970054
13*	1	7,5	1	080970131
13*	2	7,5	1	080970132
13	3	7,5	1	080970133
13	4	7,5	1	080970134
16	1	11,2	1	080970161
16	2	11,2	1	080970162
16	3	11,2	1	080970163
16	4	11,2	1	080970164

* packed in plastic case

8097SL

lifting chain slings,
2 legs, with self-locking and clevis grab hooks,
grade 8

CE



UNI EN 818-4

TECHNICAL DATA

- safety factor: 4
- chain-sling identification tag
- ATTACHED CERTIFICATES
- Manufacturer's Certificate UNI EN818-4
- CE Declaration of Conformity
- AVAILABLE CERTIFICATES
- Technical product specifications

D mm	L m	WLL ton		
6*	1	1,6	1	080970201
6*	2	1,6	1	080970202
6*	3	1,6	1	080970203
6*	4	1,6	1	080970204
7*	1	2,12	1	080970221
7*	2	2,12	1	080970222
7*	3	2,12	1	080970223
7*	4	2,12	1	080970224
8*	1	2,8	1	080970241
8*	2	2,8	1	080970242
8*	3	2,8	1	080970243
8*	4	2,8	1	080970244
10*	1	4,25	1	080970251
10*	2	4,25	1	080970252
10*	3	4,25	1	080970253
10*	4	4,25	1	080970254
13*	1	7,5	1	080970331
13*	2	7,5	1	080970332
13	3	7,5	1	080970333
13	4	7,5	1	080970334
16	1	11,2	1	080970361
16	2	11,2	1	080970362
16	3	11,2	1	080970363
16	4	11,2	1	080970364

* Packed in plastic case

8098

lifting chain sling, 4 legs
with clevis grab hooks,
grade 8

CE



UNI EN 818-4

TECHNICAL DATA

- safety factor: 4
 - chain-sling identification tag
- ATTACHED CERTIFICATES
- Manufacturer's Certificate UNI EN818-4
 - CE Declaration of Conformity
- AVAILABLE CERTIFICATES
- Technical product specifications

D mm	L m	WLL ton	
6*	1	2,36	1 080980001
6*	2	2,36	1 080980002
6*	3	2,36	1 080980003
6*	4	2,36	1 080980004
7*	1	3,15	1 080980021
7*	2	3,15	1 080980022
7*	3	3,15	1 080980023
7*	4	3,15	1 080980024
8*	1	4,25	1 080980041
8*	2	4,25	1 080980042
8*	3	4,25	1 080980043
8*	4	4,25	1 080980044
10*	1	6,7	1 080980051
10*	2	6,7	1 080980052
10*	3	6,7	1 080980053
10*	4	6,7	1 080980054
13	1	11,2	1 080980131
13	2	11,2	1 080980132
13	3	11,2	1 080980133
13	4	11,2	1 080980134
16	1	17	1 080980161
16	2	17	1 080980162
16	3	17	1 080980163
16	4	17	1 080980164

* packed in plastic case

8098SL

lifting chain slings,
4 legs, with self-locking and clevis grab hooks,
grade 8

CE



UNI EN 818-4

TECHNICAL DATA

- safety factor: 4
 - chain-sling identification tag
- ATTACHED CERTIFICATES
- Manufacturer's Certificate UNI EN818-4
 - CE Declaration of Conformity
- AVAILABLE CERTIFICATES
- Technical product specifications

D mm	L m	WLL ton	
6*	1	2,36	1 080980201
6*	2	2,36	1 080980202
6*	3	2,36	1 080980203
6*	4	2,36	1 080980204
7*	1	3,15	1 080980221
7*	2	3,15	1 080980222
7*	3	3,15	1 080980223
7*	4	3,15	1 080980224
8*	1	4,25	1 080980241
8*	2	4,25	1 080980242
8*	3	4,25	1 080980243
8*	4	4,25	1 080980244
10*	1	6,7	1 080980251
10*	2	6,7	1 080980252
10*	3	6,7	1 080980253
10*	4	6,7	1 080980254
13	1	11,2	1 080980331
13	2	11,2	1 080980332
13	3	11,2	1 080980333
13	4	11,2	1 080980334
16	1	17	1 080980361
16	2	17	1 080980362
16	3	17	1 080980363
16	4	17	1 080980364

* Packed in plastic case

WLL Ton

UNI EN 818

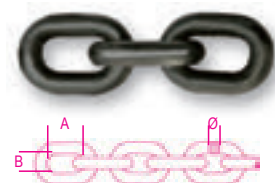
Ø D mm	WLL 1		WLL 2	
	0° < β ≤ 45°		45° < β ≤ 60°	
6	1,12	1,6	1,12	1,6
7	1,5	2,12	1,5	2,12
8	2	2,8	2	2,8
10	3,15	4,25	3,15	4,25
13	5,3	7,5	5,3	7,5
16	8	11,2	8	11,2

Ø D mm	WLL 3	
	0° < β ≤ 45°	45° < β ≤ 60°
6	2,36	1,7
7	3,15	2,24
8	4,25	3
10	6,7	4,75
13	11,2	8
16	17	11,2

8100

lifting chains,
high-tensile alloy steel

CE



EN 818-2

TECHNICAL DATA

- safety factor: 4
 - heat treatment: hardening and tempering
 - traceability code
- LABORATORY TESTS
- chemical analysis
 - metallographic analysis
 - tensile test
- AVAILABLE CERTIFICATES
- Technical Product Specifications
 - Test Report UNI EN10204 type 2.2
 - Manufacturer's Certificate EN818-2
 - CE Declaration of Conformity

WLL kg	Ø mm	A mm	B min mm	
1120	6	18	7,8	1 081000011
1500	7	21	11,0	1 081000016
2000	8	24	12,0	1 081000020
3150	10	30	14,5	1 081000032
5300	13	39	20,0	1 081000053
8000	16	48	20,8	1 081000080

8085

lifting master links
alloy steel, painted

WLL means the use with 1 chain sling.

CE



EN 1677-4

TECHNICAL DATA

- safety factor: 4
- heat treatment: hardening and tempering
- traceability code

LABORATORY TESTS

- chemical analysis, metallographic analysis
- proof load test (WLL x 2.5)
- tensile test

- fatigue test (min. 20,000 cycles)

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1

- CE Declaration of Conformity

WLL	Ø mm	B mm	C mm	
kg				
* 1500	7	110	60	1 080850016
2000	8	110	60	1 080850020
3150	10	135	75	1 080850032
5300	13	160	90	1 080850054
8000	16	180	100	1 080850080
11200	19	200	110	1 080850190

* If you match it with a chain 6mm in Ø, WLL= 1120 kg

8086

lifting master link assemblies
alloy steel, painted

* WLL means the use with 3 or 4 chain slings
and B angle < 45°.

CE



EN 1677-4

TECHNICAL DATA

- safety factor: 4
- heat treatment: hardening and tempering
- traceability code

LABORATORY TESTS

- chemical analysis, metallographic analysis
- proof load test (WLL x 2.5)
- tensile test

- fatigue test (min. 20,000 cycles)

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1

- CE Declaration of Conformity

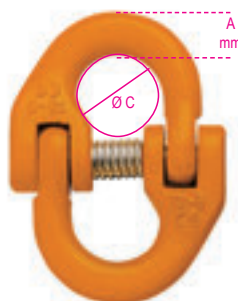
WLL	Ø mm	B mm	C mm	
kg				
* 3150	7	135	75	1 080860021
4250	8	160	90	1 080860042
6700	10	180	100	1 080860067
11200	13	200	110	1 080860100
17000	16	260	140	1 080860117

*If you match it with a chain 6 mm in Ø, WLL=2360 Kg.

8090R - 8090

lifting connecting links
alloy steel, painted

CE



EN 1677-1

TECHNICAL DATA

- safety factor: 4
- heat treatment: hardening and tempering
- traceability code

LABORATORY TESTS

- chemical analysis, metallographic analysis
- proof load test (WLL x 2.5)
- tensile test

- fatigue test (min. 20,000 cycles)

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1

- CE Declaration of Conformity

WLL	Ø mm	A mm	
kg			
8090R	6	1120	1 080900111
8090R	7	1500	1 080900115
8090R	8	2000	1 080900120
8090R	10	3150	1 080900131
8090R	13	5300	1 080900153

WLL	Ø mm	A mm	
kg			
8090	8000	16	1 080900080

8060R - 8060

Clevis chain hooks,
high-tensile alloy steel

CE



EN 1677-2

TECHNICAL DATA

- safety coefficient: 4
- heat treatment: hardening and tempering
- Traceability code on pin, safety latch, body

LABORATORY TESTS

- chemical analysis, metallographic analysis
- proof load test (WLL x 2.5)
- tensile test

- fatigue test (min. 20,000 cycles)

AVAILABLE CERTIFICATES

- Technical Product Specifications
- Test Report UNI EN10204 type 2.2
- Inspection Certificate UNI EN10204 type 3.1

- CE Declaration of Conformity

WLL	Ø mm	C mm	
kg			
8060R	1120	6	1 080600111
8060R	1500	7	1 080600115
8060R	2000	8	1 080600120
8060R	3150	10	1 080600132
8060R	5300	13	1 080600153

WLL	Ø mm	C mm	
kg			
8060	8000	16	1 080600080

8058R - 8058

self-locking lifting hooks,
Clevis type,
high-tensile alloy steel

CE



EN 1677-3

TECHNICAL DATA

- safety factor: 4
- heat treatment: hardening and tempering
- traceability code

LABORATORY TESTS

- chemical analysis, metallographic analysis
- tensile test
- fatigue test (min. 20,000 cycles)

- proof load test (100% of batch)

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1

- CE Declaration of Conformity

WLL	Ø mm	J mm	
kg			
8058R	1120	6	1 080580112
8058R	2000	7-8	1 080580120
8058R	3150	10	1 080580132
8058R	5300	13	1 080580153

WLL	Ø mm	J mm	
kg			
8058	8000	16	1 080580080

8061R - 8061F

Clevis grab hooks
with safety latch,
high-tensile alloy steel

CE



EN 1677-1

TECHNICAL DATA

- safety factor: 4
- heat treatment: hardening and tempering
- traceability code

LABORATORY TESTS

- chemical analysis, metallographic analysis
- tensile test
- fatigue test (min. 20,000 cycles)

- proof load test (100% of batch)

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1

- CE Declaration of Conformity

WLL	Ø mm	E mm	
kg			
8061R	1120	6	1 080610211
8061R	2000	7-8	1 080610220
8061R	3150	10	1 080610231

WLL	Ø mm	E mm	
kg			
8061F	5300	13	1 080610153
8061F	8000	16	1 080610180

8052 - 8055S

wire rope eye hooks,
high-tensile alloy steel

CE



EN 1677-2

TECHNICAL DATA

- safety factor: 4
- heat treatment: hardening and tempering
- traceability code

LABORATORY TESTS

- chemical analysis, metallographic analysis
- tensile test

- fatigue test (min. 20,000 cycles)

- proof load test (2 x WLL)

AVAILABLE CERTIFICATES

- Technical Product Specifications
- Test Report UNI EN10204 type 2.2
- Inspection Certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

	WLL kg	C mm		
8052	800	18	1	080520008
8052	1120	22,5	1	080520011
8052	2000	30	1	080520020
8052	3150	36	1	080520031
8052	4000	39,5	1	080520040

	WLL kg	C mm		
8055S	5400	32	1	080550145
8055S	8000	43	1	080550170
8055S	11500	53	1	080550215
8055S	16000	58	1	080550260
8055S	22000	78	1	080550320

8057R - 8057

self-locking lifting hooks,
eye type,
high-tensile alloy steel

CE



EN 1677-3

TECHNICAL DATA

- safety factor: 4
- heat treatment: hardening and tempering
- traceability code

LABORATORY TESTS

- chemical analysis, metallographic analysis
- tensile test

- fatigue test (min. 20,000 cycles)

- proof load test (100% of batch)

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

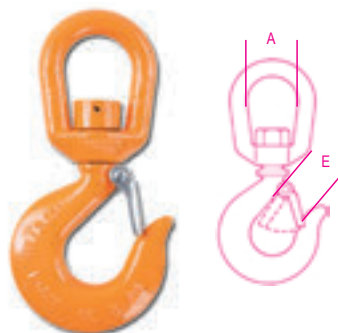
	WLL kg	J min mm		
8057R	2000	7-8	1	080570120
8057R	3150	10	1	080570132

	WLL kg	J mm		
8057	5300	13	1	080570053

8063

lifting swivel hooks
(in unloaded condition)
high-tensile alloy steel

CE



EN 1677-1

TECHNICAL DATA

- safety factor: 4
- heat treatment: hardening and tempering
- traceability code

LABORATORY TESTS

- chemical analysis, metallographic analysis
- tensile test

- fatigue test (min. 20,000 cycles)

- proof load test (100% of batch)

AVAILABLE CERTIFICATES

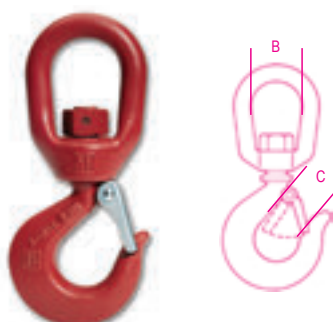
- Technical Product Specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

	WLL kg	A mm	E mm		
800	32	20,5	1	080630008	
1120	38	20,5	1	080630011	
2000	44,5	22	1	080630020	
3150	44,5	27	1	080630031	

8064S

swivel lifting hooks
(not under load)
carbon steel, painted

CE



EN 1677-5

TECHNICAL DATA

- safety factor: 5
- heat treatment: hardening and tempering
- traceability code

LABORATORY TESTS

- chemical analysis, metallographic analysis
- proof load test (WLL x 2.5)

- tensile test

- fatigue test (min. 20,000 cycles)

AVAILABLE CERTIFICATES

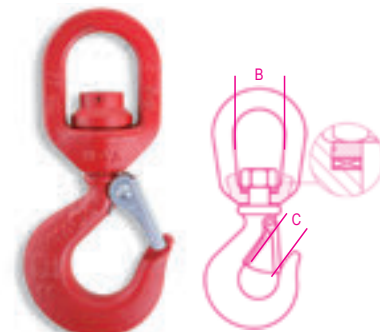
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

	WLL kg	B mm	C mm		
800	31	20	1	080640107	
1000	40	22	1	080640110	
1600	47	23	1	080640115	
2000	47	27	1	080640120	
3200	64	35	1	080640130	
5000	77	43	1	080640150	
7500	90	53	1	080640175	
10000	96	58	1	080640199	

8065SC

swivel load lifting hooks
carbon steel, painted

CE



EN 1677-5

TECHNICAL DATA

- safety factor: 5
- heat treatment: hardening and tempering
- traceability code

LABORATORY TESTS

- chemical analysis, metallographic analysis
- proof load test (WLL x 2.5)

- tensile test

- fatigue test (min. 20,000 cycles)

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1

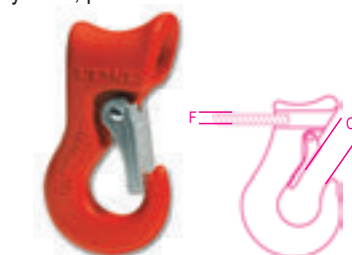
- CE Declaration of Conformity

	WLL kg	B mm	C mm		
800	38	20	1	080650107	
1000	38	22	1	080650110	
1600	47	23	1	080650115	
2000	47	27	1	080650120	
3200	54	35	1	080650130	
5000	72	43	1	080650150	
7500	82	53	1	080650175	

8062

slip hooks
alloy steel, painted

CE



TECHNICAL DATA

- safety factor: 5
- heat treatment: hardening and tempering
- traceability code

LABORATORY TESTS

- chemical analysis, metallographic analysis
- proof load test (WLL x 2.5)

- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

	WLL kg	C mm	F mm		
1500	19	10-13	1	080620013	
2000	21	16	1	080620016	
3000	26	18	1	080620018	
5000	34	22-25	1	080620025	

8051S

lifting eye hooks,
carbon steel, galvanized

CE



GRADO 4

TECHNICAL DATA

- safety factor: 4
 - heat treatment: normalizing
 - traceability code
- ### LABORATORY TESTS
- chemical analysis
 - metallographic analysis
 - tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

WLL kg	C mm	F mm		
250	14	12	10	080510202
500	18	16,5	5	080510205

lifting eye hooks,
carbon steel, galvanized



WLL kg				
250	1	1	080519202	
500	1	1	080519205	

8050 D1÷D45

safety locks and spare parts kit for eye hooks



8050D1 8064S-8065SC/800	1	080500945
8050D2 8064S-8065SC/1000	1	080500946
8050D3 8064S-8065SC/1600-2000	1	080500947
8050D4 8055S/5400 - 8064S-8065SC/3200	1	080500948
8050D5 8055S/8000 8064S-8065SC/5000	1	080500949
8050D6 8055S/11500 8064S/7500	1	080500950
8050D10 8062/1500	1	080500954
8050D11 8062/2000	1	080500955
8050D12 8062/3000	1	080500956
8050D13 8062/5000	1	080500957
8050D22 8055S/16000 8064S/10000	1	080500966
8050D23 8055S/22000	1	080500967
8050D24 8051S/250	1	080500969
8050D25 8051S/500	1	080500970
8050D29 8061F/5300	1	080500974
8050D30 8061F/8000	1	080500975
8050D32 8060/8000	1	080500977

8050D33 8052/800	1	080500978
8050D34 8052/1120	1	080500979
8050D35 8052/2000	1	080500980
8050D36 8052/3150	1	080500981
8050D37 8052/4000	1	080500982
8050D38 8060R/1120	1	080500983
8050D39 8060R/2000	1	080500984
8050D40 8060R/3150	1	080500985
8050D41 8060R/5300	1	080500986
8050D42 8063/800	1	080500987
8050D43 8063/1120	1	080500988
8050D44 8063/2000	1	080500989
8050D45 8063/3150	1	080500990



8050D46 8061R/1120	1	080500991
8050D47 8061R/2000	1	080500992
8050D48 8061R/3150	1	080500993
8050D53	1	080500994



8050 D53 8057R/1120 - 8058R/1120	1	080500849
8050 D50 8057R/2000 - 8058R/2000	1	080500850
8050 D51 8057R/3150 - 8058R/3150	1	080500851
8050 D52 8057R/5300 - 8058R/5300	1	080500852

8058R/PS

pin kit for hooks item 8058R-861R



	Ø mm		
8058R/PS	6	1	080580512
8058R/PS	7-8	1	080580520
8058R/PS	10	1	080580532
8058R/PS	13	1	080580553

8060R/PS

pin kit for hooks item 8060R



	Ø mm		
8060R/PS	6	1	080600511
8060R/PS	7	1	080600515
8060R/PS	8	1	080600520
8060R/PS	10	1	080600532
8060R/PS	13	1	080600553

 **Robur**

8143

hand chain blocks

CE



L

EN13157

TECHNICAL DATA

safety factor: 4
identification tag
AVAILABLE CERTIFICATES
Manufacturer's Certificate
CE Declaration of Conformity
Test Report UNI EN10204 type 2.2
Technical Product Specifications

WLL	t	L m	H mm	sfuerzo / effort kg	
0,5	3	285	27	1	081430005
1	3	315	44	1	081430010
2	3	380	44	1	081430020
3	3	475	45	1	081430030
5	3	600	47	1	081430050



8146

lever hoists

CE



L

EN13157

TECHNICAL DATA

safety factor: 4
identification tag
AVAILABLE CERTIFICATES
Manufacturer's Certificate
CE Declaration of Conformity
Test Report UNI EN10204 type 2.2
Technical Product Specifications

WLL	t	L m	H mm	sfuerzo / effort kg	
0,75	1,5	320	21	1	081460008
1,5	1,5	380	41	1	081460015
3,0	1,5	480	41	1	081460030
6,0	1,5	600	46	1	081460060

8146C

lever hoist, compact

CE



L

EN13157

TECHNICAL DATA

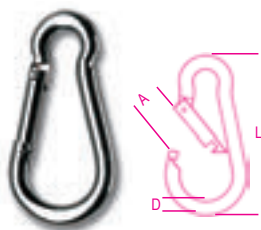
safety factor: 4
identification tag
AVAILABLE CERTIFICATES
Manufacturer's Certificate
CE Declaration of Conformity
Test Report UNI EN10204 type 2.2
Technical Product Specifications

WLL	t	L m	H mm	sfuerzo / effort kg	
0,25	1,5	230	20,7	1	081460002



8074

carabine hooks,
galvanized



DIN 5299

TECHNICAL DATA

• safety factor: 4

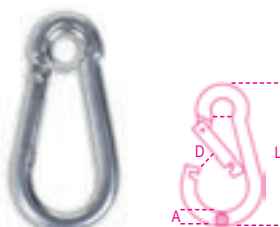
AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

DxL mm	A mm	WFL kg		
* 4x40	6	20	100	080740040
5x50	7	30	100	080740050
6x60	8	40	100	080740060
7x70	9	60	50	080740070
8x80	11	75	50	080740080
9x90	12	100	25	080740090
10x100	13	120	25	080740100
11x120	16	140	20	080740101
12x140	22	140	15	080740102
13x160	24	200	10	080740103
* 14x180	32	250	5	080740104

8074A

ring carabine hooks,
galvanized



DIN 5299

TECHNICAL DATA

• safety factor: 4

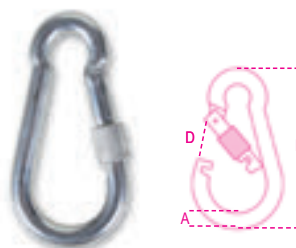
AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

øAxL mm	D mm	WFL kg		
5x50	7,4	30	50	080740405
6x60	8,7	40	50	080740406
8x80	10,5	75	25	080740408
10x100	13,3	120	10	080740410

8074G

carabine hooks with screw nut,
galvanized



TECHNICAL DATA

• safety factor: 4

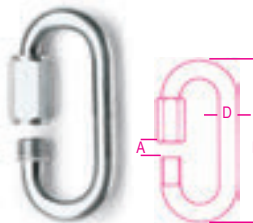
AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

øAxL mm	D mm	WFL kg		
5x50	7,5	30	50	080740305
6x60	8,5	40	50	080740306
8x80	10,3	75	25	080740308
10x100	10,6	120	10	080740310

8080

quick links,
galvanized



TECHNICAL DATA

• safety factor: 4

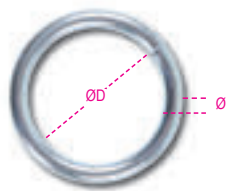
AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

DxL mm	A mm	WFL kg		
3,5x36	5	20	100	080800003
4x40	6	30	100	080800004
5x49	6	50	100	080800005
6x57	8	60	100	080800006
7x66	8	100	50	080800007
8x74	11	140	50	080800008
9x80	11	160	25	080800009
10x89	11	220	25	080800010
12x105	15	300	20	080800012
14x125	16,5	400	3	080800014

8082

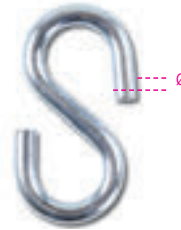
rings
galvanised steel



Ø mm	ØD mm		
4	20	50	080820004
5	30	20	080820005
6	40	10	080820006
7	50	5	080820007
8	60	5	080820008

8083

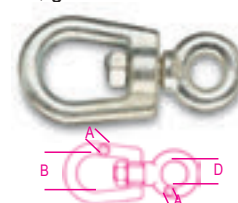
S-hooks
galvanised steel



Ø mm	L mm		
3	33	40	080830003
4	40	30	080830004
5	47	20	080830005
6	59	15	080830006
8	79	5	080830008

8114

eye and eye swivels,
italian "Marche" type,
carbon steel, galvanized



TECHNICAL DATA

• safety factor: 4

• traceability code

LABORATORY TESTS

• tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

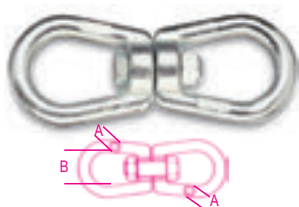
A mm	B mm	D mm	WFL kg		
8	30	16	250	1	081140008
10	38	18	300	1	081140010
12	42	20	650	1	081140012
14	48	22	820	1	081140014
16	57	24	1000	1	081140016
18	64	26	1600	1	081140018
20	72	30	2000	1	081140020
22	80	34	2500	1	081140022

 **Robur**

 **Robur**

8116

eye and eye swivels,
carbon steel, galvanized



TECHNICAL DATA

- safety factor: 4
- traceability code

LABORATORY TESTS

- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

A mm	B mm	WFL kg		
6	23	140	1	081160006
8	30	250	1	081160008
10	38	300	1	081160010
12	42	650	1	081160012
14	48	820	1	081160014
16	57	1000	1	081160016
18	64	1600	1	081160018
20	72	2000	1	081160020
22	80	2500	1	081160022

8120

Genovese chains
for static connections,
galvanised



TECHNICAL DATA

- safety factor: 4

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

Ø mm	nr	WFL kg	m	
1,5	10	8	150	1 081200015
1,6	12	15	150	1 081200016
2,2	14	25	75	1 081200022
2,7	16	40	75	1 081200027
3,0	17	55	75	1 081200030
3,4	18	100	60	1 081200034
3,8	19	110	50	1 081200038
4,4	20	200	40	1 081200044
4,8	21	250	30	1 081200048
5,5	22	300	25	1 081200055
5,8	23	310	25	1 081200058
6,5	24	400	25	1 081200065
7,5	26	550	20	1 081200075
* 8,0	27	600	25	1 081200080
* 9,0	28	800	25	1 081200090
* 10,0	30	1000	20	1 081200100
* 12,0	32	1400	15	1 081200120

Caution: product NOT designed for lifting purposes

(*) available in COILS

8120B

Genovese chains
for static connections,
galvanised



TECHNICAL DATA

- safety factor: 4

AVAILABLE CERTIFICATES

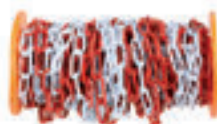
- Technical product specifications
- Test report type 2.2 UNI EN10204

Ø mm	nr	WFL kg	m	
1,5	10	8	200	1 081200315
1,6	12	15	200	1 081200316
2,2	14	25	100	1 081200322
2,7	16	40	100	1 081200327
3,0	17	55	75	1 081200330
3,4	18	100	100	1 081200334
3,8	19	110	75	1 081200338
4,4	20	200	50	1 081200344
4,8	21	250	50	1 081200348
5,5	22	300	40	1 081200355
5,8	23	310	30	1 081200358
6,5	24	400	30	1 081200365
7,5	26	550	25	1 081200375
8,0	27	600	15	1 081200380
9,0	28	800	15	1 081200390
10,0	30	1000	10	1 081200400
12,0	32	1400	8	1 081200420

Caution: NOT for lifting

8129

barrier chain,
made of galvanized metal painted
in red and white



Ø mm	m	
5	30	1 081290050

Caution: NOT for lifting or anchoring



8317SZ

simplex wire rope clips
galvanized



AVAILABLE CERTIFICATES

- Test report UNI EN10204 type 2.2

Ø mm	L mm	L1 mm		
2	15	14	100	083170102
3	18	16	100	083170103
4	20	19	100	083170104
5	24	23	50	083170105
6	30	27	30	083170106
8	36	34	20	083170108
10	42	37	10	083170110

8317DZ

duplex wire rope clips
galvanized



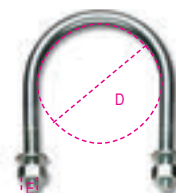
AVAILABLE CERTIFICATES

- Test report UNI EN10204 type 2.2

Ø mm	L mm	L1 mm		
2	30	14	50	083170002
3	35	15	50	083170003
4	40	18	50	083170004
5	50	21	25	083170005
6	60	25	20	083170006
8	76	33	10	083170008
10	95	37	10	083170010

8381SL

U bolts for pipes, light type,
galvanized



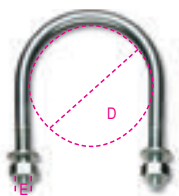
AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

D mm	D gas	E mm		
11	1/8"	M6	100	083810201
14	1/4"	M6	100	083810202
18	3/8"	M6	100	083810203
22	1/2"	M6	100	083810204
27	3/4"	M6	100	083810205
34	1"	M6	100	083810206
43	1 1/4"	M6	100	083810207
49	1 1/2"	M8	50	083810208
61	2"	M8	50	083810209
77	2 1/2"	M8	25	083810210
89	3"	M8	25	083810211
102	3 1/2"	M8	25	083810212
115	4"	M8	25	083810213
168	6"	M10	25	083810218
220	8"	M10	10	083810220

8381SP

U bolts for pipes, heavy type, galvanized



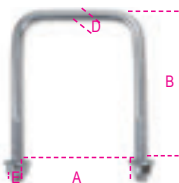
AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

D mm	D gas mm	E mm		
22	1/2"	M8	100	083810301
27	3/4"	M8	100	083810302
34	1"	M8	100	083810303
43	1 1/4"	M8	100	083810304
49	1 1/2"	M10	25	083810305
61	2"	M10	25	083810306
77	2 1/2"	M10	25	083810307
89	3"	M10	25	083810308
102	3 1/2"	M12	25	083810309
115	4"	M12	15	083810310
168	6"	M16	15	083810315
220	8"	M16	10	083810320
274	10"	M16	1	083810374
324	12"	M20	1	083810386
408	16"	M24	1	083810508

8383C

square U bolts, hot galvanized
Flanged nuts



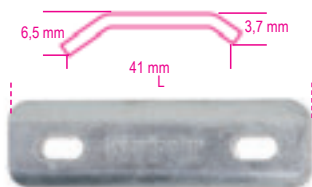
AVAILABLE CERTIFICATES

- Technical Product Specifications
- Test Report UNI EN10204 type 2.2

A mm	E mm	B mm	D mm		
70	M10	110	8,55	130	083830070
80	M10	120	8,55	110	083830080
90	M10	130	8,55	100	083830090
100	M10	155	8,55	90	083830100
120	M10	175	8,55	70	083830120

8383P

plates for square U bolts
hot galvanized



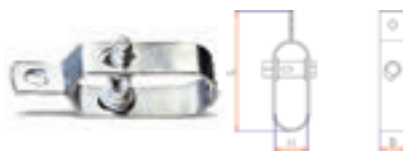
AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

	L mm		
8383P 150 8383C/70-80 /90-100	150	150	083830214
8383P 170 8383C/100-120	170	120	083830217

8515Z

wire tenders, galvanized



Available Certificates

- Test Report UNI EN10204 type 2.2

D mm	H mm	L mm		
20	25	93	50	085150002
24,5	30	100	50	085150003

8515V

wire tenders, galvanized and painted



Available Certificates

- Test Report UNI EN10204 type 2.2

D mm	H mm	L mm		
20	25	93	50	085150102
24,5	30	100	50	085150103

8515CH

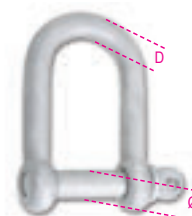
wire tender keys, galvanized



L mm	OA mm	OB mm		
90	8	7,5	20	085150901

8531

dee FISHING shackles, hot-dip galvanized



AVAILABLE CERTIFICATES

- Test report UNI EN10204 type 2.2

Ø mm	D mm	WFL kg		
20	18	1600	1	085310018
22	20	2500	1	085310020

8532

dee FISHING shackles with square head screw pin, black painted



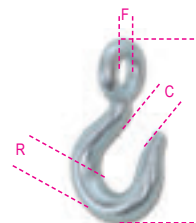
AVAILABLE CERTIFICATES

- Test report UNI EN10204 type 2.2

Ø mm	D mm	WFL kg		
20	20	1600	1	085320020
22	22	2500	1	085320022

8535

fishing hooks, galvanized



AVAILABLE CERTIFICATES

- Test report UNI EN10204 type 2.2

R mm	C mm	F mm	L mm		
26	27,5	34	156	1	085350006
30	36,5	40	185	1	085350007

 **Robur**

8130

antitheft chains, made of alloy steel, case-hardened, tempered, galvanised



Ø mm	L mm		
6	800	1	081300068
8	1000	1	081300081
8	1200	1	081300082
10	1500	1	081300105

8130A

anti-theft chains with rings, made of alloy steel, case-hardened, tempered, galvanised



Ø mm	L mm		
10	900	1	081300209

8131Z

antitheft chains with padlocks



Ø mm	L mm	8139Z Ø mm		
6	800	8	1	081310060
6	800	10	1	081310068
8	1000	10	1	081310081
8	1200	10	1	081310082
10	1500	10	1	081310105

8131DL

disc lock with anti-theft chain 8130A



Ø mm	L mm		
10	900	1	081310209

8139DL

motorcycle disc locks, made of hardened steel, shockproof PVC, blister-packed

- supplied with 3 keys, signalling cable, case
- suitable for 10mm chains

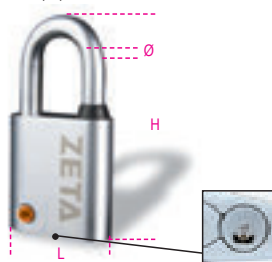


Ø mm	L mm	H mm		
14	108	56	1	081390214

8139Z

padlocks for antitheft chains, zinc alloy bodies

- supplied with 3 mapped keys
- suitable for chains 6, 8, 10 mm



Ø mm	L mm	H mm		
8	45	90	1	081390008
10	55	98	1	081390009

8139ZCH

3 neutral spare keys for locks 8139Z



8139ZCH		
1	081390909	

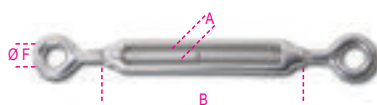
suitable for locks Ø8 and Ø10



Breaking force (BF)
on technical specifications
WWW.ROBURITALY.COM

8205

eye and eye turnbuckle
AISI 316



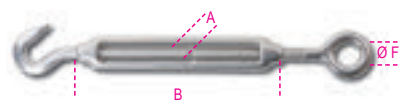
LABORATORY TESTS

- chemical analysis
 - tensile test
- AVAILABLE CERTIFICATES
- Technical product specifications
 - Test report UNI EN10204 type 2.2

A mm	B mm	Ø F mm	WFL kg		
M4	62	8	75	10	082050204
M5	72	11	115	10	082050205
M6	92	12	160	5	082050206
M8	122	14	300	5	082050208
M10	150	16	470	1	082050210
M12	201	18	690	1	082050212
M14	225	22	940	1	082050214
M16	244	26	1290	1	082050216
M20	295	29	2130	1	082050220
M24	350	33	3000	1	082050224

8206

hook and eye turnbuckle
AISI 316



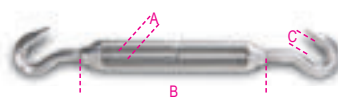
LABORATORY TESTS

- chemical analysis
 - tensile test
- AVAILABLE CERTIFICATES
- Technical product specifications
 - Test report UNI EN10204 type 2.2

A mm	B mm	Ø F mm	WFL kg		
M5	72	11	25	10	082060205
M6	92	12	45	5	082060206
M8	122	14	95	5	082060208
M10	150	16	140	1	082060210
M12	201	18	300	1	082060212
M14	225	22	420	1	082060214
M16	244	26	570	1	082060216
M20	295	29	875	1	082060220

8207

hook and hook turnbuckle
AISI 316



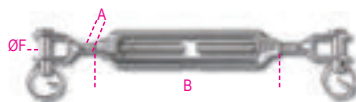
LABORATORY TESTS

- chemical analysis
 - tensile test
- AVAILABLE CERTIFICATES
- Technical product specifications
 - Test report UNI EN10204 type 2.2

A mm	B mm	C mm	WFL kg		
M5	72	9	25	10	082070205
M6	92	9	45	5	082070206
M8	122	10	95	5	082070208
M10	150	12	140	1	082070210
M12	201	14	300	1	082070212
M14	225	15	420	1	082070214
M16	244	16	570	1	082070216
M20	295	19	875	1	082070220

8209

jaw and jaw turnbuckle
AISI 316



LABORATORY TESTS

- chemical analysis
 - tensile test
- AVAILABLE CERTIFICATES
- Technical product specifications
 - Test report UNI EN10204 type 2.2

A mm	B mm	Ø F mm	WFL kg		
M5	72	5	115	5	082090205
M6	92	6	160	5	082090206
M8	122	8	300	5	082090208
M10	150	10	470	1	082090210
M12	201	12	690	1	082090212
M14	225	14	940	1	082090214
M16	244	16	1290	1	082090216
M20	295	20	2130	1	082090220
M24	350	24	3060	1	082090224

8210

jaw and jaw pipe turnbuckle
AISI 316



LABORATORY TESTS

- chemical analysis
 - tensile test
- AVAILABLE CERTIFICATES
- Technical product specifications
 - Test report UNI EN10204 type 2.2

A mm	B mm	Ø F mm	WFL kg		
M5	81	5	115	3	082100205
M6	92	6	160	3	082100206
M8	112	8	300	1	082100208
M10	121	10	470	1	082100210
M12	150	12	690	1	082100212
M14	169	14	940	1	082100214
M16	190	16	1290	1	082100216
M20	220	20	2130	1	082100220

8201T

pipe bodies
AISI 316



LABORATORY TESTS

- chemical analysis
 - tensile test
- AVAILABLE CERTIFICATES
- Technical Product Specifications
 - Test Report UNI EN10204 type 2.2

Ø mm	Ø "	WFL kg	L mm		
M6	1/4	160	95	5	082010406
M8	5/16	300	105	5	082010408
M10	3/8	470	125	3	082010410
M12	1/2	690	150	3	082010412
M14	9/16	940	165	1	082010414
M16	5/8	1290	190	1	082010416
M20	3/4	2130	210	1	082010420

8248

eye tie rods,
stainless steel 316L,
right thread



UNI 6058

AVAILABLE CERTIFICATES

- Technical Product Specifications
- Test Report UNI EN10204 type 2.2

ØxL mm	F mm		
10x80	8	1	082480010
10x130	8	1	082480012
12x95	10	1	082480016
12x125	10	1	082480018

8249

fastening eyebolts, right thread
AISI 316



LABORATORY TESTS

- chemical analysis
 - tensile test
- AVAILABLE CERTIFICATES
- Technical product specifications
 - Test report UNI EN10204 type 2.2

A mm	Ø B mm	D mm	WFL kg		
M5	11	50	100	10	082490205
M6	13	55	160	10	082490206
M8	17	60	300	5	082490208
M10	21	80	470	5	082490210
M12	25	120	690	1	082490212

8249G

fastening hooks
AISI 316



LABORATORY TESTS

- chemical analysis

- tensile test

AVAILABLE CERTIFICATES

- Technical Product Specifications

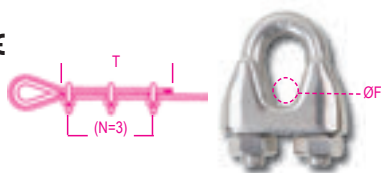
- Test Report UNI EN10204 type 2.2

A mm	E mm	ØF mm	WFL kg		
M5	39	9	25	5	082490305
M6	43	10,5	45	5	082490306
M8	57	14,5	95	3	082490308

8216

wire rope clips
AISI 316

CE



LABORATORY TESTS

- chemical analysis

- torque test

AVAILABLE CERTIFICATES

- Technical product specifications

- Test report UNI EN10204 type 2.2

- CE Certificate of Conformity

ØF mm	"	T	N		
2	5/64	80	3	15	082160202
3	1/8	80	3	15	082160203
4	5/32	80	3	10	082160204
5	3/16	110	3	10	082160205
6	1/4	120	5	10	082160206
8	5/16	210	5	5	082160208
10	3/8	240	5	5	082160210
12-13	1/2	300	5	5	082160213
16	5/8	335	5	5	082160216
20	3/4	540	5	5	082160220
22	7/8	595	7	3	082160222

wire rope clips
AISI 316

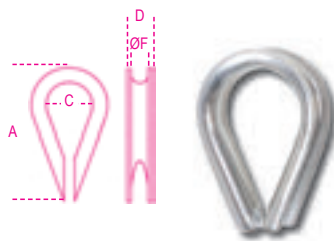


ØF mm			
2	4	1	082169402
3	4	1	082169403
4	4	1	082169404
5	2	1	082169405
6	2	1	082169406
8	2	1	082169408
10	2	1	082169410

Robur

8220

thimbles
AISI 316



LABORATORY TESTS

- chemical analysis

AVAILABLE CERTIFICATES

- Technical product specifications

- Test report UNI EN10204 type 2.2

ØF mm	D mm	A mm	C mm		
2	4,5	21	7,5	15	082200202
3	6	24	10	15	082200203
4	6,6	28	11	10	082200204
5	8,5	30	13	10	082200205
6	10	37	15	10	082200206
8	12,5	51	23	5	082200208
10	14,6	56	27	5	082200210
12	18	68	32	5	082200212
14	19	69	34	5	082200214
16	22	83	37	5	082200216
18	23	81	38	1	082200218
20	27,8	105	45	1	082200220
22	29,6	112	45	1	082200222

8225

dee shackles
AISI 316



LABORATORY TESTS

- chemical analysis

- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications

- Test report UNI EN10204 type 2.2

ØD mm	"	A mm	WFL kg		
4	5/32	8	50	10	082250204
5	3/16	11	70	10	082250205
6	1/4	13	100	5	082250206
8	5/16	17	250	5	082250208
10	3/8	21	400	3	082250210
12	1/2	25	600	3	082250212
16	5/8	32	1000	1	082250216
19	3/4	38	1600	1	082250219
22	7/8	43	2000	1	082250222
25	1	46	2800	1	082250225

8227

long dee shackles
AISI 316



LABORATORY TESTS

- chemical analysis

- tensile test

AVAILABLE CERTIFICATES

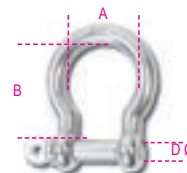
- Technical product specifications

- Test report UNI EN10204 type 2.2

ØD mm	"	A mm	WFL kg		
4	5/32	8	50	10	082270204
5	3/16	10	70	10	082270205
6	1/4	13,5	100	5	082270206
8	5/16	17	250	5	082270208
10	3/8	21	400	1	082270210
12	1/2	25	600	1	082270212

8228

bow shackles
AISI 316



LABORATORY TESTS

- chemical analysis

- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications

- Test report UNI EN10204 type 2.2

ØD mm	A mm	B mm	WFL kg		
4	13	20	60	10	082280204
5	17	23	80	10	082280205
6	20	27	100	10	082280206
8	28	36	200	5	082280208
10	36	44	300	5	082280210
12	41	53	500	5	082280212
16	54	74	800	1	082280216
19	66	86	1100	1	082280219

Robur

8240F

lifting eye bolts, FORGED
stainless steel A4

CE



TECHNICAL DATA

- safety factor: 6
 - traceability code
- ### LABORATORY TESTS
- chemical analysis
 - metallographic analysis
 - tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

Ø mm	WLL kg	
M6	120	4 082400406
* M8	200	4 082400408
* M10	400	4 082400410
* M12	600	4 082400412
* M14	1000	2 082400414
* M16	1200	2 082400416
* M20	2000	2 082400420
* M24	2700	2 082400424
* M30	4000	1 082400430

(*) WLL increased compared to DIN standard
according to Technical Specifications R/FT/8240F
(guaranteed for stainless steel / stainless steel fits)

8240

eye bolts,
stainless steel AISI 316



LABORATORY TESTS

- chemical analysis
- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

A mm	B mm	Ø C mm	WFL kg	
M6	41	15	90	10 082400206
M8	50	20	140	10 082400208
M10	62	25	230	5 082400210
M12	74	30	340	5 082400212

8242F

lifting eye nuts, FORGED
stainless steel A4

CE



TECHNICAL DATA

- safety factor: 6
- traceability code

LABORATORY TESTS

- chemical analysis
- metallographic analysis
- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of conformity

Ø mm	WLL kg	
M6	120	4 082420406
* M8	200	4 082420408
* M10	400	4 082420410
* M12	600	4 082420412
* M14	1000	2 082420414
* M16	1200	2 082420416
* M20	2000	2 082420420
* M24	2700	2 082420424
* M30	4000	1 082420430

(*) WLL ø M10÷M24

- increased according to Technical File R/FT/8242F
- guaranteed with stainless steel coupling

8242

eye nuts
stainless steel AISI 316



A mm	B mm	Ø C mm	WFL kg	
M6	27	15	90	10 082420206
M8	36	20	140	10 082420208
M10	45	25	230	5 082420210
M12	55	30	340	5 082420212

Robur

Robur

8274

carabine hooks
AISI 316



LABORATORY TESTS

- chemical analysis
- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

Ø A x L mm	Ø C mm	D mm	WFL kg	
4,5x40	6,5	6	20	10 082740204
5x50	7	6,5	30	10 082740205
6x60	8,5	7,5	40	5 082740206
7x70	10	9	60	5 082740207
8x80	12	10	75	5 082740208
9x90	12,5	10,5	100	5 082740209
10x100	15	13	120	1 082740210
11x120	19	18	140	1 082740211
12x140	22	21	140	1 082740212
13x160	22	26	200	1 082740213

8274A

ring carabine hooks
AISI 316



LABORATORY TESTS

- chemical analysis
- tensile test

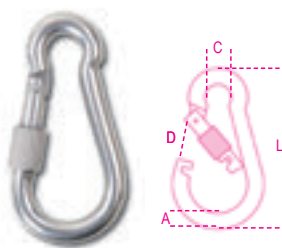
AVAILABLE CERTIFICATES

- Technical Product Specifications
- Test Report UNI EN10204 type 2.2

Ø A x L mm	Ø C mm	D mm	WFL kg	
5x50	6,5	7	30	10 082740405
6x60	7,5	7,5	40	5 082740406
8x80	9,5	10	75	5 082740408

8274G

carabine hooks with screw nut
AISI 316



LABORATORY TESTS

- chemical analysis
- tensile test

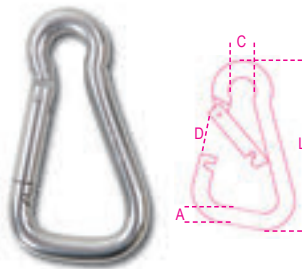
AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

ø A x L	ø C	D	WFL		
mm	mm	mm	kg		
6x60	8,5	6,5	40	5	082740306
8x80	12	8,5	75	5	082740308
10x100	15	12	120	3	082740310

8276

asymmetric carabine hooks
AISI 316



LABORATORY TESTS

- chemical analysis
- tensile test

AVAILABLE CERTIFICATES

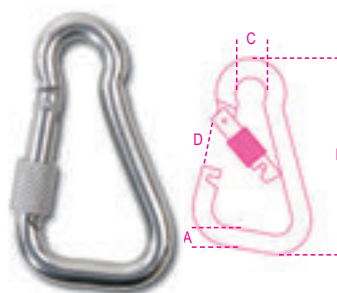
- Technical product specifications
- Test report UNI EN10204 type 2.2

ø A x L	ø C	D	WFL		
mm	mm	mm	kg		
6x60	8,5	10	40	5	082760206
8x80	12	14	75	5	082760208
10x100	15	18	120	3	082760210



8276G

asymmetric carabine hooks with screw nut
AISI 316



LABORATORY TESTS

- chemical analysis
- tensile test

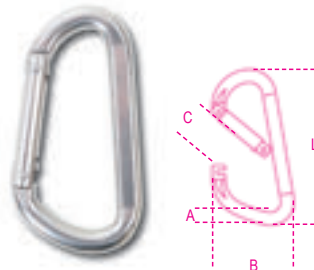
AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

ø A x L	ø C	D	WFL		
mm	mm	mm	kg		
6x60	8,5	9	40	3	082760306
8x80	12	12,5	75	3	082760308
10x100	15	16	120	3	082760310

8278

trapezoidal carabine hooks
AISI 316



LABORATORY TESTS

- chemical analysis
- tensile test

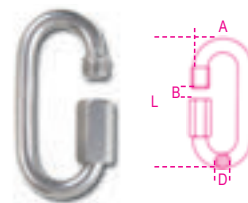
AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

ø A x L	B	C	WFL		
mm	mm	mm	kg		
8x80	45	14	75	3	082780208
10x100	55	16	120	3	082780210

8280

quick links
AISI 316



LABORATORY TESTS

- chemical analysis
- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

ø D x L	A	B	WFL		
mm	mm	mm	kg		
3,5x35	17	5	20	10	082800203
4x40	19	6	30	10	082800204
5x50	23	7	50	5	082800205
6x60	26	8	60	5	082800206
7x70	30	9	100	5	082800207
8x80	33	10	140	1	082800208
10x90	40	12	220	1	082800210
12x100	47	14	300	1	082800212

8250

spring snap-casting eye end
AISI 316



LABORATORY TESTS

- chemical analysis
- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

L	A	ø B	WFL		
mm	mm	mm	kg		
50	25	8	40	5	082500205
70	31	12,5	90	5	082500207
100	47	20	190	1	082500210

 **Robur**

 **Robur**

8264

swivel eye bolt snap
AISI 316



LABORATORY TESTS

- chemical analysis
- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

B	L	C	WFL		
mm	mm	mm	kg		
12	88	12	60	5	082640212
16	90	12	60	5	082640216
19	93	12	60	1	082640219

8267

swivel eye snap
AISI 316



LABORATORY TESTS

- chemical analysis
- tensile test

AVAILABLE CERTIFICATES

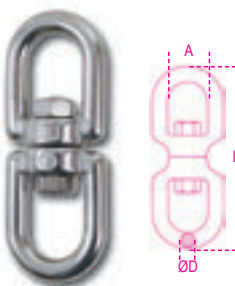
- Technical product specifications
- Test report UNI EN10204 type 2.2

A	L	B	WFL		
mm	mm	mm	kg		
10	87	21	30	5	082670210
12	118	22	70	1	082670213

Robur

8272

eye and eye swivels
AISI 316



LABORATORY TESTS

- chemical analysis
- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

ø D	A	L	WFL		
mm	mm	mm	kg		
4	11	50	90	5	082720204
5	13	60	115	5	082720205
6	15	66	140	5	082720206
8	19	90	250	3	082720208
10	23	112	300	1	082720210
13	33	148	650	1	082720213
16	38	184	1000	1	082720216
19	40	223	1600	1	082720219

8273

quick-release hooks
with swivel eyes
AISI 316 stainless steel



LABORATORY TESTS

- chemical analysis
- tensile test

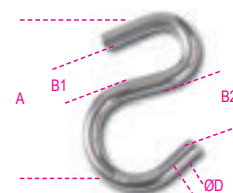
AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

ø C x L	B	WFL	BF		
mm	mm	kg	kg		
12x70	12	230	1100	1	082730012
16x85	14,50	440	2000	1	082730016
22x120	20	700	3500	1	082730022

8282

S-hooks
AISI 316



LABORATORY TESTS

- chemical analysis
- tensile test

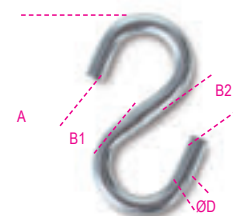
AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

ø D	B1	B2	WFL		
mm	mm	mm	kg		
3	7,5	14	4	10	082820203
4	10,5	14,5	5	10	082820204
5	12,5	16	12	10	082820205
6	12,5	18	18	5	082820206
8	14	23	33	5	082820208

8282S

S-hooks, symmetric
AISI 316 stainless steel



LABORATORY TESTS

- chemical analysis
- tensile test

AVAILABLE CERTIFICATES

- Product specifications
- Test report type 2.2 UNI EN10204

ø D	B	A	WFL		
mm	mm	mm	kg		
3	5,5	34	4	40	082820303
4	7,0	40	5	30	082820304
5	9,0	46	12	20	082820305
6	10	54	18	15	082820306

8284

pelican hooks terminals
AISI 316 stainless steel



LABORATORY TESTS

- chemical analysis
- tensile test

AVAILABLE CERTIFICATES

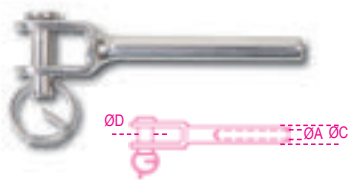
- Technical product specifications
- Test report UNI EN10204 type 2.2

ø C	B	L	WFL		
mm	mm	mm	kg		
6	11	73	200	3	082840006
8	14	98	300	3	082840008
10	23	143	450	1	082840010

Robur

8285

jaw terminals
AISI 316



LABORATORY TESTS

• chemical analysis

• tensile test

AVAILABLE CERTIFICATES

• Technical product specifications

• Test report UNI EN10204 type 2.2

Ø A mm	Ø C mm	Ø D mm	WFL kg		
3	6,3	6	180	5	082850203
4	7,5	6	200	3	082850204
5	9	10	330	1	082850205
6	12,5	12	720	1	082850206
8	16	13	1120	1	082850208

8286

eye terminals
AISI 316



LABORATORY TESTS

• chemical analysis

• tensile test

AVAILABLE CERTIFICATES

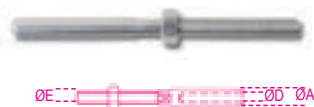
• Technical product specifications

• Test report UNI EN10204 type 2.2

Ø D mm	Ø A mm	Ø C mm	WFL kg		
3	6,5	6,3	180	5	082860203
4	8,5	7,5	200	3	082860204
5	10,6	9	330	1	082860205
6	13	12,5	720	1	082860206
8	14,7	16	1120	1	082860208

8287

swage studs
AISI 316



LABORATORY TESTS

• chemical analysis

• tensile test

AVAILABLE CERTIFICATES

• Technical product specifications

• Test report UNI EN10204 type 2.2

Ø D mm	Ø A mm	E mm	WFL kg		
3	6,3	M6	180	5	082870203
4	7,5	M8	200	3	082870204
5	9	M10	330	1	082870205
6	12,5	M12	720	1	082870206
8	16	M16	1120	1	082870208

8290

pad eyes
AISI 316



LABORATORY TESTS

• chemical analysis

AVAILABLE CERTIFICATES

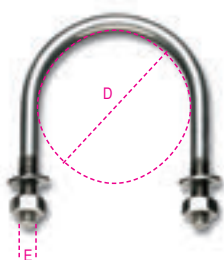
• Technical product specifications

• Test report UNI EN10204 type 2.2

Ø A mm	B mm	Ø C mm	L mm		
5	18	4,3	40	5	082900205
6	22	5,2	44	5	082900206
8	23	5,2	51	5	082900208

8381SX

U bolts for pipes



AISI 304

LABORATORY TESTS

• chemical analysis

AVAILABLE CERTIFICATES

• Test report UNIEN10204 type 2.2

D mm	D gas	E mm		
11	1/8"	M6	20	083810401
14	1/4"	M6	20	083810402
18	3/8"	M6	20	083810403
22	1/2"	M6	20	083810404
27	3/4"	M6	20	083810405
34	1"	M6	20	083810406
43	1 1/4"	M6	20	083810407
49	1 1/2"	M8	10	083810408
61	2"	M8	10	083810409
77	2 1/2"	M8	10	083810410
89	3"	M8	10	083810412
115	4"	M8	10	083810413
168	6"	M10	1	083810416
220	8"	M10	1	083810418

8279

genovese chains
INOX AISI 304



TECHNICAL DATA

safety factor: 4

AVAILABLE CERTIFICATES

Technical Product Specifications

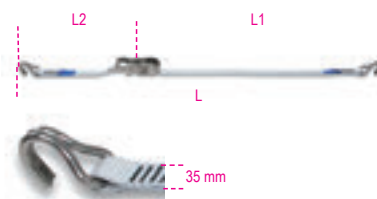
Test Report UNI EN10204 type 2.2

Ø mm	nr	WFL kg	m		
2	13	20	50	1	082790020
3	17	55	50	1	082790030
4	19	100	50	1	082790040
5	21	250	40	1	082790050
6	23	310	30	1	082790060

8293

ratchet tie downs AISI 304
high-tenacity polyester belt, LC 300 kg,
with hooks

hangable



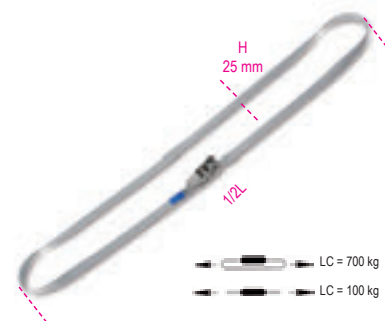
L m	L2 mm	L1 mm	STF daN		
6	5700	300	100	1	082930106

LC = 300 kg

8297C

ratchet tie downs,
with mini-ratchets, AISI 304
high-tenacity polyester belt, LC 700 kg

hangable

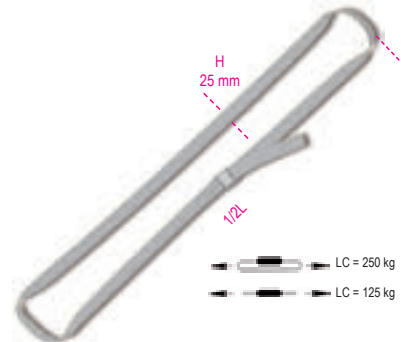


L m	H mm		
5	25	1	082970350

8297F

2 cam buckle straps,
AISI 304,
high-tenacity polyester belt, LC 250 kg

hangable



L m	H mm		
3	25	1	082970230

LC = 250 kg

POLYESTER SLINGS

TECHNICAL DATA

- safety factor: 7

- traceability code

LABORATORY TESTS

- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- Manufacturer's Certificate UNI EN1492
- CE Declaration of Conformity

				$\beta = 0^\circ \div 45^\circ$	$\beta = 45^\circ \div 60^\circ$
30	1t	0,8t	2t	1,4t	1t
60	2t	1,6t	4t	2,8t	2t
90	3t	2,4t	6t	4,2t	3t
120	4t	3,2t	8t	5,6t	4t
150	5t	4,0t	10t	7,0t	5t
180	6t	4,8t	12t	8,4t	6t
240	8t	6,4t	16t	11,2t	8t
300	10t	8,0t	20t	14,0t	10t

8150

lifting web slings, purple 1t
two layers with reinforced eyes
high-tenacity polyester (PES) belt

CE



UNI EN 1492-1

L m	H mm	WLL ton	
0,5	30	1	1 081500005
1	30	1	1 081500010
1,5	30	1	1 081500015
2	30	1	1 081500020
2,5	30	1	1 081500025
3	30	1	1 081500030
4	30	1	1 081500040
5	30	1	1 081500050
6	30	1	1 081500060
8	30	1	1 081500080

Robur

Robur

8153

lifting web slings, green 2t
two layers with reinforced eyes
high-tenacity polyester (PES) belt

CE



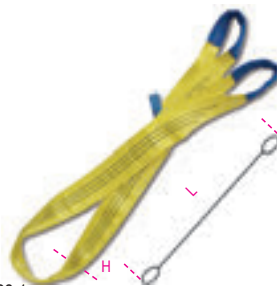
UNI EN 1492-1

L m	H mm	WLL ton	
1	60	2	1 081530010
1,5	60	2	1 081530015
2	60	2	1 081530020
2,5	60	2	1 081530025
3	60	2	1 081530030
4	60	2	1 081530040
5	60	2	1 081530050
6	60	2	1 081530060
8	60	2	1 081530080
10	60	2	1 081530100

8156

lifting web slings, yellow 3t
two layers with reinforced eyes
high-tenacity polyester (PES) belt

CE



UNI EN 1492-1

L m	H mm	WLL ton	
1	90	3	1 081560010
1,5	90	3	1 081560015
2	90	3	1 081560020
2,5	90	3	1 081560025
3	90	3	1 081560030
4	90	3	1 081560040
5	90	3	1 081560050
6	90	3	1 081560060
8	90	3	1 081560080
10	90	3	1 081560100
12	90	3	1 081560120

8157

lifting web slings, grey 4t
two layers with reinforced eyes
high-tenacity polyester (PES) belt

CE



UNI EN 1492-1

L m	H mm	WLL ton	
2	120	4	1 081570020
3	120	4	1 081570030
4	120	4	1 081570040
5	120	4	1 081570050
6	120	4	1 081570060
8	120	4	1 081570080
10	120	4	1 081570100
12	120	4	1 081570120

8158

lifting web slings, red 5t
two layers with reinforced eyes
high-tenacity polyester (PES) belt

CE



UNI EN 1492-1

L m	H mm	WLL ton	
2	150	5	1 081580020
3	150	5	1 081580030
4	150	5	1 081580040
5	150	5	1 081580050
6	150	5	1 081580060
8	150	5	1 081580080
10	150	5	1 081580100
12	150	5	1 081580120

Robur

8159

lifting web slings, brown 6t
two layers with reinforced eyes
high-tenacity polyester (PES)

CE



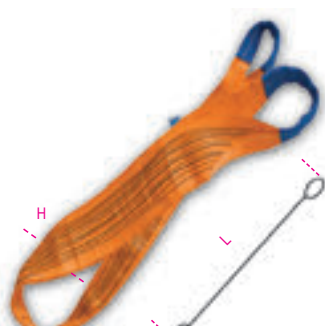
UNI EN 1492-1

L m	H mm	WLL ton	
2	180	6	1 081590020
3	180	6	1 081590030
4	180	6	1 081590040
5	180	6	1 081590050
6	180	6	1 081590060
8	180	6	1 081590080
10	180	6	1 081590100

8161

lifting web slings, orange 10t
two layers with reinforced eyes
high-tenacity polyester (PES)

CE



UNI EN 1492-1

L m	H mm	WLL ton	
3	300	10	1 081610030
4	300	10	1 081610040
5	300	10	1 081610050
6	300	10	1 081610060
8	300	10	1 081610080
10	300	10	1 081610100
12	300	10	1 081610120

8170

lifting round slings, purple 1t
high-tenacity polyester (PES) belt

CE



UNI EN 1492-2

L m	WLL ton	H mm	
0,5	1	45	1 081700010
1	1	45	1 081700020
1,5	1	45	1 081700030
2	1	45	1 081700040
3	1	45	1 081700060
4	1	45	1 081700080
5	1	45	1 081700100

8160

lifting web slings, blue 8t
two layers with reinforced eyes
high-tenacity polyester (PES)

CE



UNI EN 1492-1

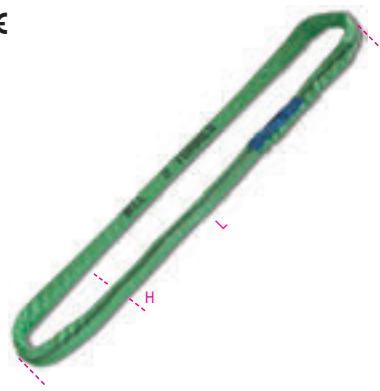
L m	H mm	WLL ton	
3	240	8	1 081600030
4	240	8	1 081600040
5	240	8	1 081600050
6	240	8	1 081600060
8	240	8	1 081600080
10	240	8	1 081600100

Robur

8173

lifting round slings, green 2t
high-tenacity polyester (PES) belt

CE



UNI EN 1492-2

L m	H mm	WLL ton	
0,5	50	2	1 081730010
1	50	2	1 081730020
1,5	50	2	1 081730030
2	50	2	1 081730040
2,5	50	2	1 081730050
3	50	2	1 081730060
4	50	2	1 081730080
5	50	2	1 081730100
6	50	2	1 081730120
8	50	2	1 081730160

8176

lifting round slings, yellow 3t
high-tenacity polyester (PES) belt

CE



UNI EN 1492-2

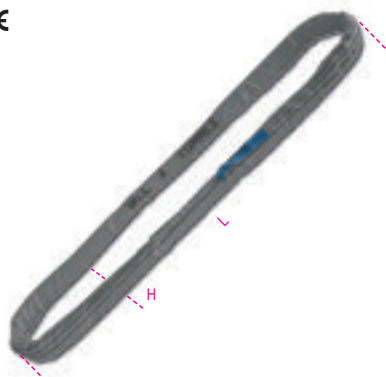
L m	H mm	WLL ton	
1	60	3	1 081760020
1,5	60	3	1 081760030
2	60	3	1 081760040
2,5	60	3	1 081760050
3	60	3	1 081760060
4	60	3	1 081760080
5	60	3	1 081760100
6	60	3	1 081760120
8	60	3	1 081760160

Robur

8177

lifting round slings, grey 4t
high-tenacity polyester (PES) belt

CE



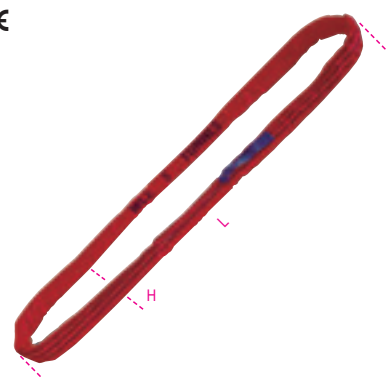
UNI EN 1492-2

L m	H mm	WLL ton		
1	65	4	1	081770020
1,5	65	4	1	081770030
2	65	4	1	081770040
2,5	65	4	1	081770050
3	65	4	1	081770060
4	65	4	1	081770080
5	65	4	1	081770100
6	65	4	1	081770120
8	65	4	1	081770160

8178

lifting round slings, red 5t
high-tenacity polyester (PES) belt

CE



UNI EN 1492-2

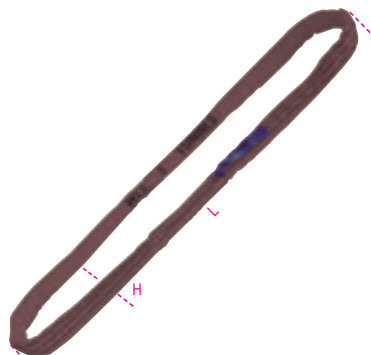
L m	H mm	WLL ton		
1	70	5	1	081780020
1,5	70	5	1	081780030
2	70	5	1	081780040
2,5	70	5	1	081780050
3	70	5	1	081780060
4	70	5	1	081780080
5	70	5	1	081780100
6	70	5	1	081780120
8	70	5	1	081780160

Robur

8179M

lifting round slings, brown 6t
high-tenacity polyester (PES) belt

CE



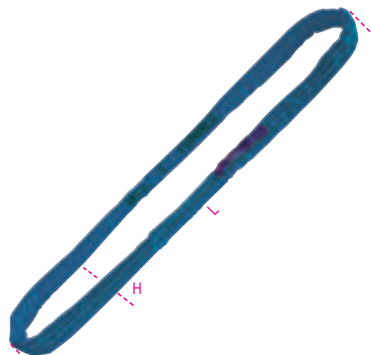
UNI EN 1492-2

L m	H mm	WLL ton		
3	80	6	1	081790060
4	80	6	1	081790080
6	80	6	1	081790120
8	80	6	1	081790160

8179B

lifting round slings, blue, 8 t,
high-tenacity polyester (PES) belt

CE



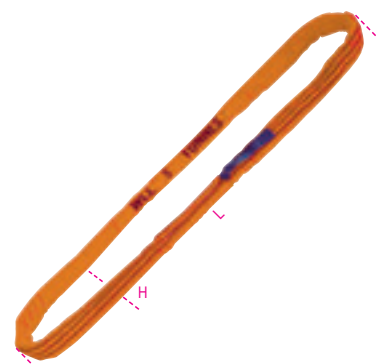
UNI EN 1492-2

L m	H mm	WLL ton		
1	85	8	1	081790220
3	85	8	1	081790260
4	85	8	1	081790280
6	85	8	1	081790320
8	85	8	1	081790360

8179A

lifting round slings, orange, 10 t,
high-tenacity polyester (PES) belt

CE



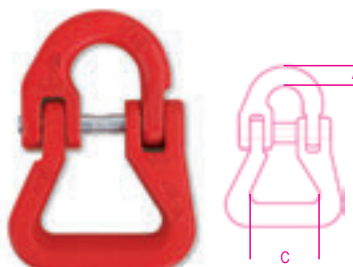
UNI EN 1492-2

L m	H mm	WLL ton		
3	95	10	1	081790506
4	95	10	1	081790508
6	95	10	1	081790512
8	95	10	1	081790516
10	95	10	1	081790520

8090F

lifting connecting links for polyester slings,
alloy steel, painted

CE



EN 1677-1

TECHNICAL DATA

- safety factor: 4
- heat treatment: hardening and tempering
- traceability code

LABORATORY TESTS

- chemical analysis, metallographic analysis
- proof load test (WLL x 2.5)
- tensile test

- fatigue test (min. 20,000 cycles)

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

WLL kg	Ø mm	A mm	C mm		
2000	7-8	10,5	40	1	080900220
3150	10	12	50	1	080900232
5300	13	17	60	1	080900253
8000	16	21	75	1	080900280

Robur

Robur

8166

anti-abrasion sheaths for slings,
high-tenacity polyester (PES),
with elastomer underlayer



H mm	ø mm	L m	
70	45	3	1 081660073
80	52	3	1 081660083
110	70	3	1 081660103
155	100	3	1 081660153
170	110	3	1 081660170
235	150	4	1 081660235

H mm			
70	8150	8170-8173	081660073
80	8153	8176	081660083
110	8153-8156	8177-8178	081660103
155	8157	8178-8179A 8179B-8179M	081660153
170	8158	-	081660170
235	8159	-	081660235

RATCHET TIE DOWNS

TECHNICAL DATA

• safety factor: 2

• traceability code

LABORATORY TESTS

• ratchet pretensioning test

• metal parts deformation test

• complete system tensile test

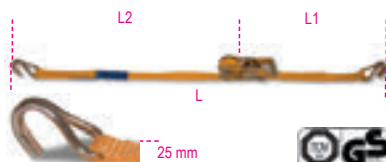
AVAILABLE CERTIFICATES

• Technical product specifications

• Test report UNI EN10204 type 2.2

8180

ratchet tie down with single hook, LC 750kg
high-tenacity polyester (PES) belt



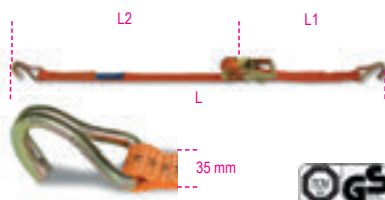
EN 12195-2

L m	L2 mm	L1 mm	
4	3750	250	1 081800004
6	5750	250	1 081800006
8	7750	250	1 081800008

LC = 750 kg

8181

ratchet tie down with single hook, LC 1000kg
high-tenacity polyester (PES) belt



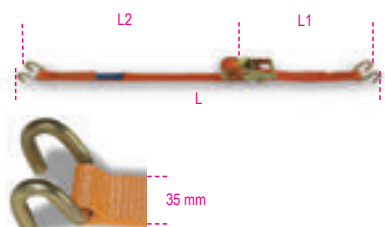
EN 12195-2

L m	L2 mm	L1 mm	
4	3600	400	1 081810004
6	5600	400	1 081810006
8	7600	400	1 081810008

LC = 1000 kg

8181S

ratchet tie down with double hook, LC 1000kg,
high-tenacity polyester (PES) belt



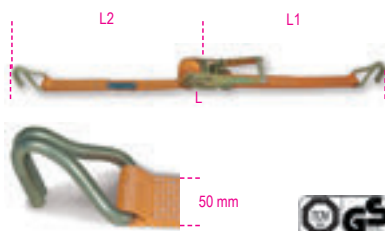
EN 12195-2

L m	L2 mm	L1 mm	STF daN	
6	5600	400	180	1 081810206

LC = 1000 kg

8182T

ratchet tie down with double hook, LC 1500kg,
high-tenacity polyester (PES) belt



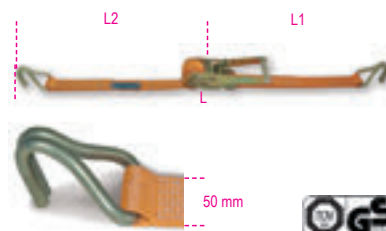
EN 12195-2

L m	L1 mm	L2 mm	
8,5	400	8100	1 081821085
10,5	400	10100	1 081821105

LC = 1500 kg

8182

ratchet tie down with single hook, LC 2000kg
high-tenacity polyester (PES) belt



EN 12195-2

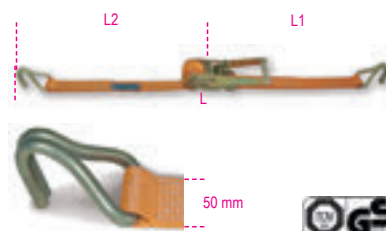
L m	L2 mm	L1 mm	
6,5	6100	400	1 081820065
8,5	8100	400	1 081820085
10,5	10100	400	1 081820105
14,5	14100	400	1 081820145
16,5	16100	400	1 081820165

LC = 2000 kg

	L2 mm	L1 mm	
8182LP long part	8100		1 081820902
8182SP short part		400	1 081820905

8182H

ratchet tie down with single hook, LC 2500kg,
high-tenacity polyester (PES) belt



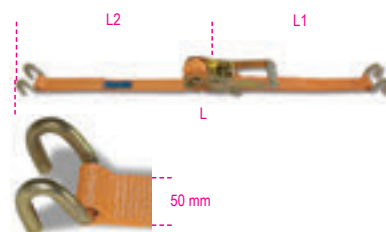
EN 12195-2

L m	L1 mm	L2 mm	
6,5	400	6100	1 081820406
8,5	400	8100	1 081820408
10,5	400	10100	1 081820410
14,5	400	14100	1 081820414

LC = 2500 kg

8182TS

ratchet tie down with single hook, LC 1500kg,
high-tenacity polyester (PES) belt



EN 12195-2

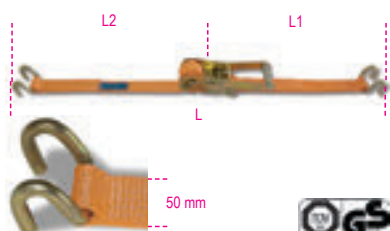
L m	L1 mm	L2 mm	
8,5	400	8100	1 081821285
10,5	400	10100	1 081821305

LC = 1500 kg

Robur

8182S

ratchet tie down with double hook, LC 2000kg
high-tenacity polyester (PES) belt



EN 12195-2

L m	L2 mm	L1 mm		
6,5	6100	400	1	081820265
8,5	8100	400	1	081820285
10,5	10100	400	1	081820305

LC = 2000 kg

	L2 mm	L1 mm		
8182SLP long part	8100		1	081820912
8182SSP short part		400	1	081820915

8184

long lever reverse ratchet
anchoring system



EN12195-2

L2 mm	L1 mm	L m	STF daN		
8100	400	8,5	500	1	081840085
10100	400	10,5	500	1	081840105

LC = 2500 kg

8182A

ratchet tie downs with 2 eyes,
high-tenacity polyester (PES) belt,
LC 2000 kg



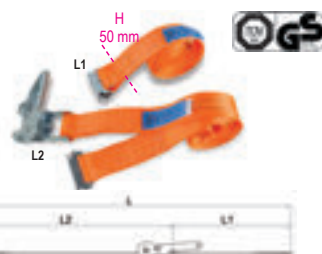
EN 12195-2

L m	L2 mm	L1 mm	STF daN		
8,5	8100	400	300	1	081820585

LC = 2000 kg

8182E

ratchet tie downs for van and truck interiors,
LC 1000 kg,
high-tenacity polyester (PES) belt



EN 12195-2

L m	L2 mm	L1 mm	H mm		
4	3500	500	50	1	081820440

LC = 1000 kg

	L2 mm	L1 mm		
8182EL	2500		1	081820942
8182EC		1500	1	081820945

Robur

8183

ratchet anchoring system
for extra heavy loads



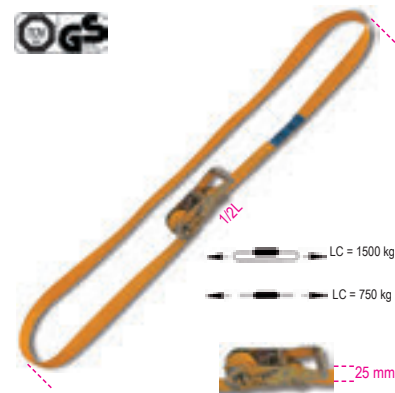
EN 12195-2

L2 mm	L1 mm	L m	STF daN		
8000	500	8,5	500	1	081830085
12000	500	12,5	500	1	081830125

LC = 5000 kg

8185

ring ratchet tie down, LC 1500kg
high-tenacity polyester (PES) belt



EN 12195-2

L m	STF daN		
5	200	1	081850005
8	200	1	081850008

8186

ring ratchet tie down, LC 2000kg
high-tenacity polyester (PES) belt



EN 12195-2

L m	STF daN		
5	180	1	081860005
8	180	1	081860008

8187

ring ratchet tie down, LC 4000kg
high-tenacity polyester (PES) belt



EN 12195-2

L m	STF daN		
5	350	1	081870005
8	350	1	081870008

8188C

ring ratchet tie downs, LC 750 kg,
high-tenacity polyester (PES) belt

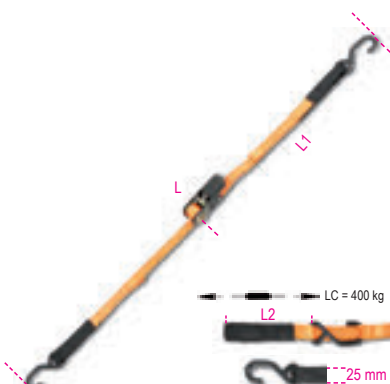


EN 12195-2

L m	STF daN		
5	72	3	081880350

8188CG/25

ratchet tie downs with S-hooks and Eyes,
LC 375 kg
high-tenacity polyester (PES) strap



EN 12195-2

L m	L1 mm	L2 mm		
3	480	170	1	081880430
5	480	170	1	081880450

8188CU/25

ratchet tie downs with single hooks,
LC 400 kg,
high-tenacity polyester belt (PES)

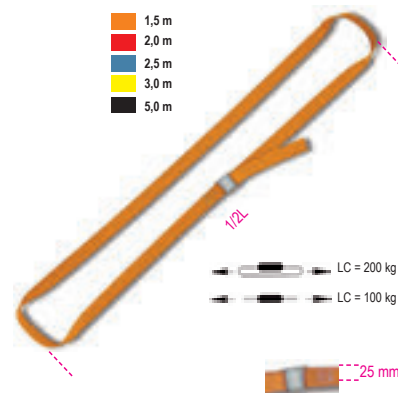


EN 12195-2

L m	L1 mm	L2 mm		
5	300	4700	1	081880750

8188F

cam buckle straps, LC 200 kg,
high-grade polypropylene (PP) belt



EN 12195-2

L m			
1,5	10	081880215	
2,0	10	081880220	
2,5	10	081880225	
3,0	10	081880230	
5,0	6	081880250	

8188VF/35

cam buckle straps, LC 500 kg,
high-tenacity polypropylene (PP) belt



EN 12195-2

L m			
4	3	081881290	

Robur

8188VFG2

cam buckle strap with S-hooks and Eyes,
LC 250 kg
high-grade polypropylene (PP) belt



EN 12195-2

L m	L1 mm	L2 mm		
3	450	110	1	081881530

8189

polyester belt (PES)
for ratchet tie downs



H mm	L m	LC kg		
25	100	750	1	081890902
35	100	1000	1	081890903
50	100	2000	1	081890905

8189PA

2 angular guards
for polyester belts



L1xL2 mm	H1 mm	H2 mm		
100x60	60	12	1	081890060
135x90	60	18	1	081890090

8600 R/11

assortment of 374 wire rope accessories, with hooks without panel

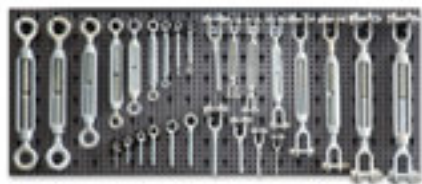


8600 R/11

1 086000011

8600 R/12

assortment of 259 wire rope accessories, with hooks without panel



8600 R/12

1 086000012

8600 R/13

assortment of 230 wire rope accessories, with hooks without panel



8600 R/13

1 086000013

8600 R/113

assortment of 1862 wire rope accessories, with hooks without panel



8600 R/113

1 086000013

8600 R/114

assortment of 1045 wire rope accessories, with hooks without panel



8600 R/114

1 086000014

8600 R/225

assortment of 64 GRADE 8 accessories, with hooks without panel



8600 R/225

1 086000025

8600 R/412

assortment of 348 STAINLESS STEEL wire rope accessories, with hooks without panel

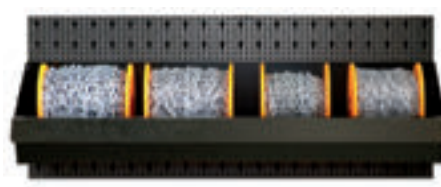


8600 R/412

1 086000042

8600 R/511

assortment of 11 Genovese chain reels, with display tray



8600 R/511

1 086000051

8600 R/601

assortment of 50 tie down ratchets with grids, shelf and hooks, without panel



8600 R/601
C88/R601

1 0860000601
1 0880000160

8600 R/611

assortment of 52 webslings with grids, without panel



8600 R/611
C88/R611

1 0860000611
1 0880000161



8600 E/R1

assortment of 1946 accessories,
with hooks without display stand



8600 E/R1

1 086000901

8600 E/R2

assortment of 2349 accessories,
with hooks without display stand



8600 E/R2

1 086000902

C88 R/1

Robur wall display, empty



1000x560x2200 mm

C88R/1

1 m

1 088000001

C88VE

display tray for display walls C88

suitable for housing coils of chains item 8120



C88VE

1 088000120

C88SE

display tray for Genovese chain reels



C88SE

1700x600x600 mm

1 088000130

 **Robur**



Wire rope accessories for general use

Technical notes and warnings:

Sigma is a range for general use - that is, it excludes any and all contexts under EU Directives or Regulations with implications concerning essential health and safety protection requirements for people and the environment.

WE RECOMMEND THE ACCESSORIES OF THE ROBUR RANGE FOR USE IN LIFTING OPERATIONS.

- The Sigma products come with Test Report type 2.2 under UNI EN10204
- The technical data are subject to changes according to technical/production developments.
Beta reserves the right to make changes to them without notice.
- The up-to-date Technical Product Specifications, including all the technical data of the accessories, and the operating and maintenance instructions are available on the website www.roburitaly.com
 - WFL: working force limit
 - WFL2: working force limit with two arms at 45°

Terms of sale

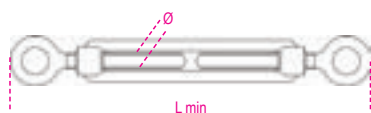
Please refer to the "Beta Utensili S.p.A General Terms of Sale" for the purchase of any and all Robur products available in the current Robur price list.

Sales organization

Please check out the website
www.roburitaly.com

8505

eye and eye turnbuckles,
galvanized



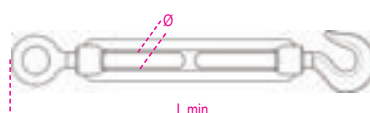
canaula DIN 1480

Ø mm	Ø "	L min mm	WFL kg		
* M5	3/16	120	100	100	085050105
M6	1/4	165	135	50	085050106
M8	5/16	175	250	30	085050108
M10	3/8	220	400	20	085050110
M12	1/2	235	550	10	085050112
* M14	9/16	265	800	30	085050114
M16	5/8	300	1100	20	085050116
M20	3/4	330	1700	10	085050120
* M22	7/8	380	2100	10	085050122
M24	1"	425	2300	6	085050124
M27	1.1/8	435	2800	1	085050127
M30	1.3/16	465	3300	1	085050130

*Sizes not contemplated by the standard

8506

hook and eye turnbuckles,
galvanized



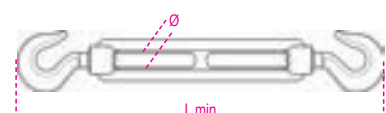
canaula DIN 1480

Ø mm	Ø "	L min mm	WFL kg		
* M5	3/16	125	25	100	085060105
M6	1/4	173	45	50	085060106
M8	5/16	180	90	30	085060108
M10	3/8	225	140	20	085060110
M12	1/2	243	200	10	085060112
* M14	9/16	277	300	30	085060114
M16	5/8	318	360	20	085060116
M20	3/4	360	560	10	085060120
* M22	7/8	408	610	10	085060122
M24	1"	450	640	6	085060124

*Sizes not contemplated by the standard

8507

hook and hook turnbuckles,
galvanized



canaula DIN 1480

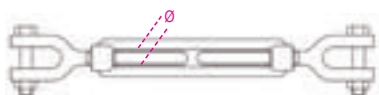
Ø mm	Ø "	L min mm	WFL kg		
* M5	3/16	130	25	100	085070105
M6	1/4	180	45	50	085070106
M8	5/16	188	90	30	085070108
M10	3/8	232	140	20	085070110
M12	1/2	252	200	10	085070112
* M14	9/16	290	300	30	085070114
M16	5/8	330	360	20	085070116
M20	3/4	400	560	10	085070120
* M22	7/8	440	610	10	085070122
M24	1"	472	640	6	085070124

*Sizes not contemplated by the standard



8509

jaw and jaw turnbuckles,
galvanized

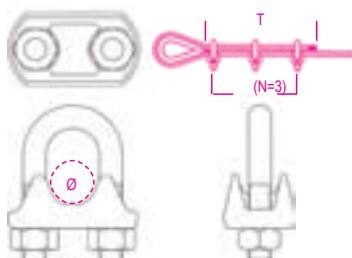


canaula DIN 1480

Ø mm	≈ "	L min mm	WFL kg		
M8	5/16	195	250	15	085090108
M10	3/8	230	400	10	085090110
M12	1/2	215	500	10	085090112
M16	5/8	320	1100	10	085090116
M20	3/4	380	1700	10	085090120
M24	1	435	2300	5	085090124

8517

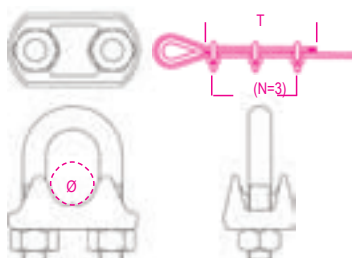
wire rope clips,
hot forged steel body, galvanized



Ø mm	Ø "	N x T	Nm		
5	3/16	6x160	2,2	300	085170005
6	1/4	6x250	3,8	200	085170006
8	5/16	6x265	3,8	150	085170008
10	3/8	6x290	9,2	70	085170010
12-13	1/2	7x380	19	40	085170013
14	9/16	7x410	19	35	085170014
16	5/8	7x470	19	30	085170016
18	11/16	7x500	32	30	085170018
20	3/4	7x520	32	30	085170020
22	7/8	7x520	32	30	085170022
24	1"	8x700	32	30	085170024
26-28	1.1/16	8x740	51	30	085170028
30-32	1.1/8	9x870	80	30	085170030
34	1.1/4	9x930	80	25	085170034

8517DF

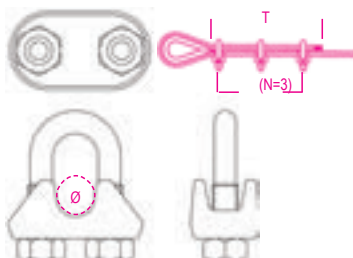
wire rope clips, flanged nuts
hot forged steel body, galvanized



Ø mm	Ø "	N x T	Nm		
6	1/4	6x250	3,8	200	085170066
8	5/16	6x265	3,8	150	085170068
10	3/8	6x290	9,2	70	085170070

8516

wire rope clips,
cast iron body, galvanized

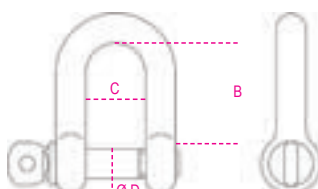


Ø mm	Ø "	N x T	Nm		
3	1/8	4x100	0,8	100	085160003
5	3/16	4x110	1,9	100	085160005
6	1/4	5x150	2	100	085160006
8	5/16	6x210	2,2	50	085160008
10	3/8	6x270	9,2	50	085160010
11	7/16	6x285	9,2	50	085160011
12-13	1/2	7x405	19	25	085160013
14	9/16	7x405	19	25	085160014
16	5/8	7x455	32	20	085160016
19-20	3/4	7x510	32	75	085160020
22	7/8	8x660	51	50	085160022
24	1"	8x680	51	40	085160024
30	1.1/8	9x835	80	30	085160030
34	1.1/4	9x900	80	1	085160034
40	1.1/2	9x1000	80	1	085160040

DIN 741

8524

straight shackles,
galvanized



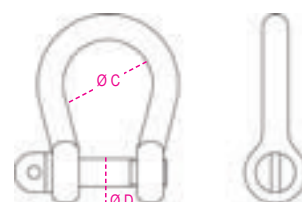
Ø D mm	Ø "	WFL kg	B x C mm		
5	3/16	40	19x10	100	085240005
6	1/4	90	24x12	100	085240006
8	5/16	180	32x16	50	085240008
10	3/8	270	40x20	20	085240010
11	7/16	360	44x22	20	085240011
12	1/2	450	48x25	15	085240012
14	9/16	550	56x28	60	085240014
16	5/8	750	64x32	40	085240016
18	11/16	920	71x36	30	085240018
20	3/4	1000	76x38	20	085240020
22	7/8	1350	85x44	15	085240022
24	1"	1800	95x50	10	085240024

Warning! For lifting operations we prescribe
the use of specially designed shackles,
available in the Robur range.



8529

bow shackles,
with screw collar pin type
hot-dipped galvanized body

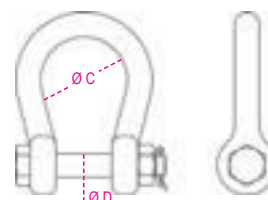


Ø D mm	Ø A mm	Ø C mm	WFL kg		
10,5	8	21	750	30	085290008
13	10	26	1000	20	085290010
15	11	29	1500	20	085290011
17	12	31	2000	10	085290012
21	16	43	3250	10	085290016
23	20	50	4750	10	085290020
28	22	58	6500	5	085290022
32	24	67	8500	5	085290024
35	28	75	9500	1	085290028
38	32	85	12000	1	085290032
41	35	93	13500	1	085290035
44	38	100	17000	1	085290038
55	45	134	25000	1	085290045

Warning! For lifting operations we prescribe
the use of specially designed shackles,
available in the Robur range.

8530

bow shackles
with cotter pin bolt
hot-dipped galvanized body

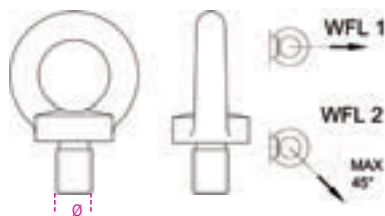


Ø D mm	Ø A mm	Ø C mm	WFL kg		
14	11	29	1500	20	085300011
16	12	31	2000	10	085300012
20	16	43	3250	10	085300016
22	20	50	4750	10	085300020
27	22	58	6500	5	085300022
28	24	67	8500	5	085300024
33	28	75	9500	1	085300028
36	32	85	12000	1	085300032
39	35	93	13500	1	085300035
42	38	100	17000	1	085300038
52	45	134	25000	1	085300045

Warning! For lifting operations we prescribe
the use of specially designed shackles,
available in the Robur range.

8540

eye bolts,
galvanized



Ø mm	WFL mm	WFL1 kg	WFL2 kg		
M6	1	75	50	250	085400106
M8	1,25	140	100	200	085400108
M10	1,5	230	170	150	085400110
M12	1,75	340	240	100	085400112
M14	2	480	320	70	085400114
M16	2	700	500	70	085400116
M18	2,5	930	590	40	085400118
M20	2,5	1200	860	40	085400120
M22	2,5	1450	1000	30	085400122
M24	3	1800	1290	20	085400124
M27	3	2400	1750	15	085400127
M30	3,5	3200	2300	12	085400130

Warning! For lifting operations we prescribe the use of specially designed eye bolts, available in the Robur range.

8542

eye nuts,
galvanized



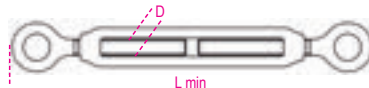
Ø mm	WFL mm	WFL1 kg	WFL2 kg		
M6	1	75	50	250	085420106
M8	1,25	140	100	200	085420108
M10	1,5	230	170	150	085420110
M12	1,75	340	240	100	085420112
M14	2	480	320	70	085420114
M16	2	700	500	70	085420116
M18	2,5	930	590	40	085420118
M20	2,5	1200	860	40	085420120
M22	2,5	1450	1000	30	085420122
M24	3	1800	1290	20	085420124
M27	3	2400	1750	15	085420127
M30	3,5	3200	2300	12	085420130

Warning! For lifting operations we prescribe the use of specially designed eye nuts, available in the Robur range.

Sigma INOX

8405

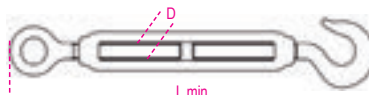
eye and eye turnbuckle
stainless steel



D mm	WFL kg		
4	25	25	084050204
5	40	25	084050205
6	100	10	084050206
8	200	10	084050208
10	300	5	084050210
12	500	5	084050212
14	650	2	084050214
16	800	2	084050216
20	1200	2	084050220

8406

hook and eye turnbuckle
stainless steel



D mm	WFL kg		
5	40	30	084060205
6	100	10	084060206
8	200	10	084060208
10	300	5	084060210
12	500	5	084060212
14	650	5	084060214
16	800	5	084060216
20	1200	2	084060220

8410

jaw and jaw pipe turnbuckle
stainless steel



D mm		
M5	10	084100205
M6	10	084100206
M8	5	084100208
M10	5	084100210
M12	5	084100212
M14	2	084100214
M16	2	084100216
M20	2	084100220

8449

fastening eyebolts, right thread
inox



D mm	WFL kg		
M5	40	30	084490205
M6	100	30	084490206
M8	200	20	084490208
M10	300	15	084490210
M12	500	10	084490212

8416

wire rope clips
stainless steel



Ø F mm		
2	30	084160202
3	30	084160203
4	30	084160204
5	25	084160205
6	25	084160206
8	15	084160208
10	15	084160210
13	15	084160213
16	10	084160216
20	10	084160220

8420

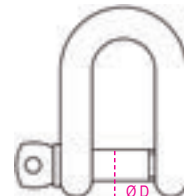
thimbles
stainless steel



Ø F mm		
2	30	084200202
3	30	084200203
4	30	084200204
5	30	084200205
6	30	084200206
8	15	084200208
10	15	084200210
12	15	084200212
14	15	084200214
16	15	084200216
20	5	084200220

8425

dee shackles
stainless steel



Ø D mm	WFL kg		
4	50	30	084250204
5	70	30	084250205
6	100	15	084250206
8	200	15	084250208
10	320	10	084250210
12	520	5	084250212
16	800	2	084250216
19	1100	2	084250219
22	1500	2	084250222
25	2100	2	084250225

Sigma

8428

bow shackles
stainless steel



ø D mm	WFL kg		
4	60	30	084280204
5	80	30	084280205
6	100	30	084280206
8	200	15	084280208
10	300	10	084280210
12	500	5	084280212
16	800	2	084280216
19	1100	2	084280219

8440

eye bolts,
stainless steel



ø D mm	WFL kg		
6	70	20	084400206
8	140	20	084400208
10	230	10	084400210
12	340	10	084400212
14	480	2	084400214
16	700	2	084400216
20	1200	2	084400220

8442

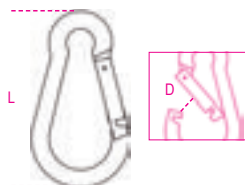
eye nuts
stainless steel



D mm	WFL kg		
M6	70	20	084420206
M8	140	20	084420208
M10	230	10	084420210
M12	340	10	084420212
M14	480	2	084420214
M16	700	2	084420216
M20	1200	2	084420220

8474

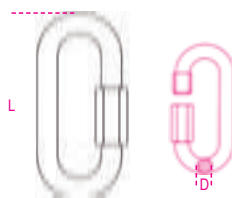
carabine hooks
stainless steel



øD x L mm	WFL kg		
4X40	20	30	084740204
5X50	30	30	084740205
6X60	40	15	084740206
7X70	60	15	084740207
8X80	75	15	084740208
10X100	120	5	084740210
11X120	140	5	084740211
12X140	140	5	084740212
13X160	200	5	084740213

8480

quick links
stainless steel



ø D x L mm	WFL kg		
3,5X36	20	30	084800203
4X40	30	30	084800204
5X49	50	15	084800205
6X57	60	15	084800206
7X66	100	15	084800207
8X74	140	10	084800208
10X89	220	5	084800210
12X105	300	5	084800212

8499ES/400

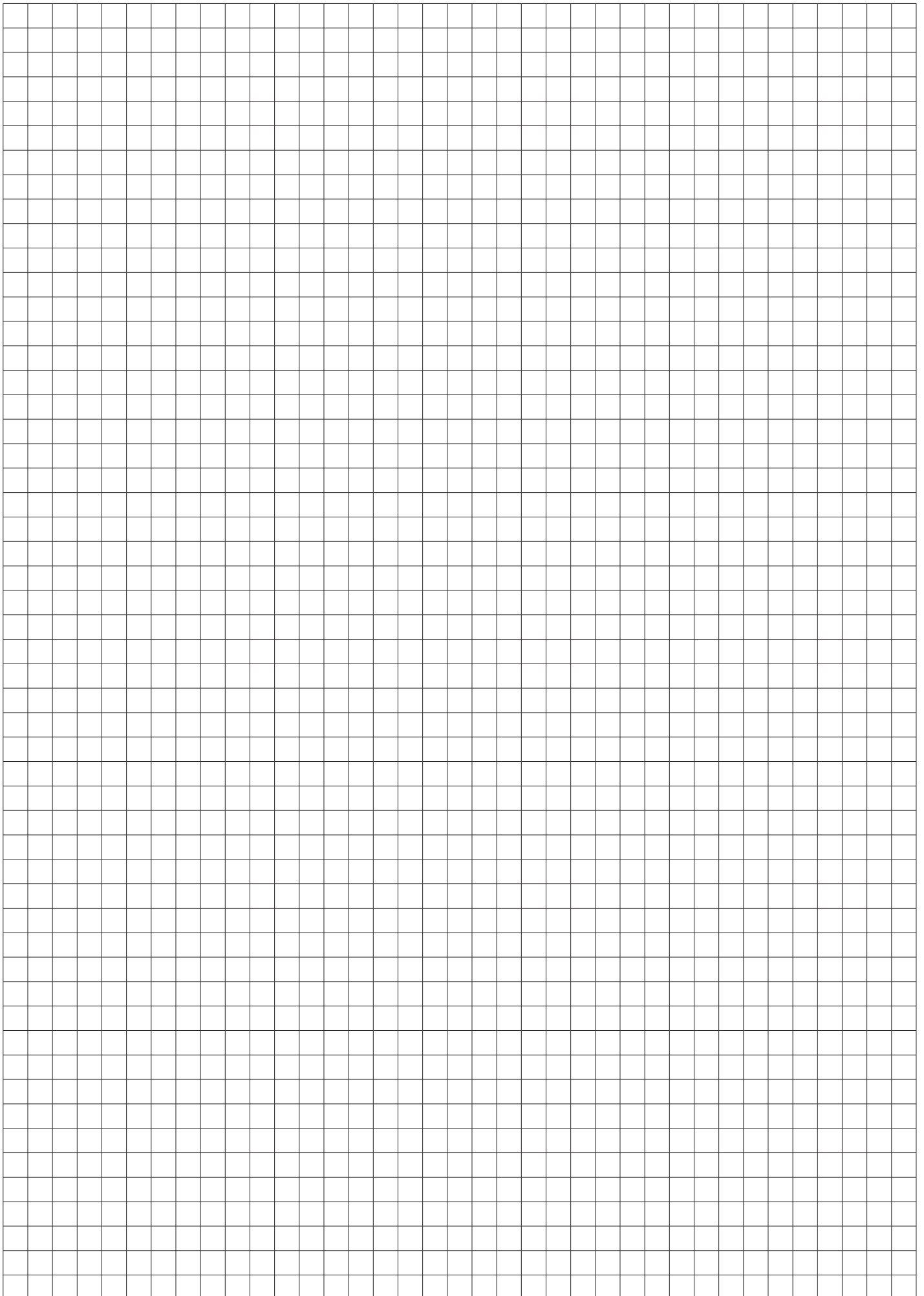
counter display
with 400 stainless steel accessories



8499ES/400	1	084990290
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item	mm	n.
8405	5	10
	6	10
	8	5
8416	3	30
	4	30
	5	25
	6	25
8420	3	30
	4	30
	5	15
	6	15
8425	4	30
	5	30
	6	15
8449	5	15
	6	15
	8	10
8474	5x50	30
	6x60	15
	8x80	15
345x280x230 mm		

Sigma





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Product code (9 digits...)

The 9-digit code identified in the "Catalogue".

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The code marked on the product in your hands.



Lingua certificato

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Robur **2020**



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 **Beta**

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