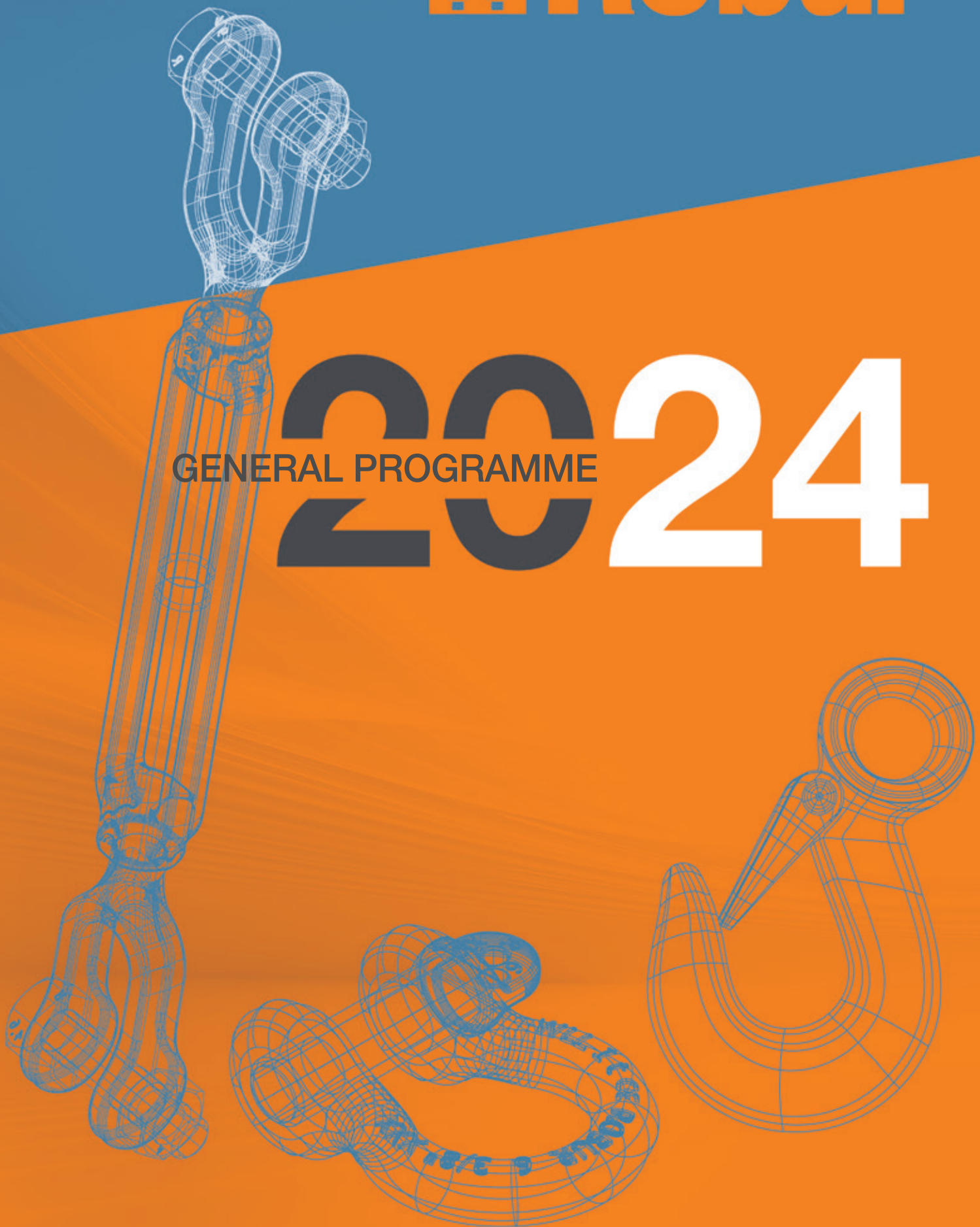




2024

GENERAL PROGRAMME





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.



Special free service boxes

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

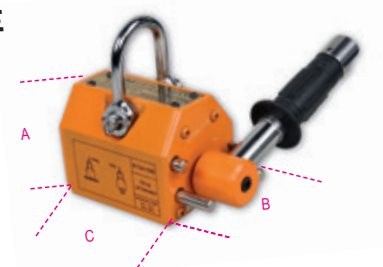
LC: lashing capacity

new item 2024

8134

permanent magnetic lifters

CE



EN13155

Technical data:
• Safety factor: 3
• Identification tag

Available certificates:
• Manufacturer's Certificate
• Declaration of Conformity with Machinery Directive 2006/42/EC
• Test Report UNI EN10204 type 2.2
• Operation and maintenance manual

size

n.° of tools
per box

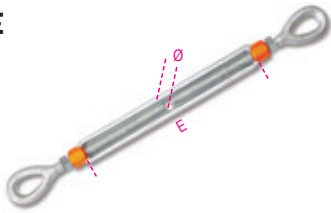
WLL kg	A mm	B mm	C mm	
100	70	64	92	1 081340010
300	96	88	165	1 081340030
600	120	118	230	1 081340060
1000	168	168	264	1 081340100

code number

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

ØxL "	≈ mm	WLL kg		
3/8x6	M10x150	540	5	081050010
1/2x6	M12x150	1000	5	081050011
1/2x9	M12x230	1000	5	081050012
5/8x6	M16x150	1590	2	081050014
5/8x9	M16x230	1590	2	081050016
5/8x12	M16x300	1590	2	081050015
3/4x6	M20x150	2360	2	081050017
3/4x9	M20x230	2360	2	081050020
3/4x12	M20x300	2360	2	081050018
3/4x18	M20x460	2360	2	081050021
7/8x12	M22x300	3270	1	081050022
1x6	M24x150	4540	1	081050024
1x12	M24x300	4540	1	081050025
1x18	M24x460	4540	1	081050026
1.1/4x12	M33x300	6900	1	081050031
1.1/4x18	M33x460	6900	1	081050032
1.1/4x24	M33x610	6900	1	081050033
1.1/2x12	M39x300	9710	1	081050034
1.1/2x18	M39x460	9710	1	081050035
1.3/4x18	M45x460	12700	1	081050036

special free service boxes



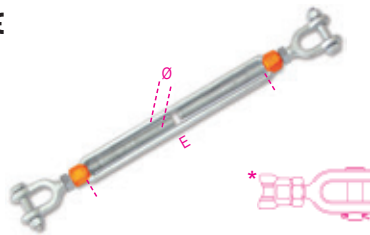
ØxL "			
3/8x6	1	1	081059010
1/2x9	1	1	081059012

Robur

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

ØxL "	≈ mm	WLL 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
5/8x12	M16x300	1590	2	081090017
3/4x6	M20x150	2360	2	081090018
3/4x9	M20x230	2360	2	081090020
3/4x12	M20x300	2360	2	081090019
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
* 1.1/2x18	M39x460	9710	1	081090038
* 1.1/2x24	M39x610	9710	1	081090039
* 1.3/4x18	M45x460	12700	1	081090036

special free service boxes

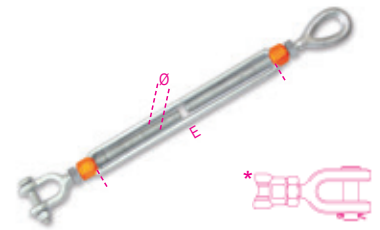


ØxL "			
3/8x6	1	1	081099010
1/2x9	1	1	081099012

8110

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

CE



TECHNICAL DATA

- safety factor: 5
- turnbuckle body 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

ØxL "	≈ mm	WLL kg		
3/8x6	M10x150	540	5	081100004
1/2x6	M12x150	1000	5	081100006
1/2x9	M12x230	1000	5	081100010
5/8x6	M16x150	1590	2	081100014
5/8x9	M16x230	1590	2	081100015
5/8x12	M16x300	1590	2	081100016
3/4x6	M20x150	2360	2	081100019
3/4x9	M20x230	2360	2	081100020
3/4x12	M20x300	2360	2	081100021
7/8x12	M22x300	3270	1	081100022
1x6	M24x150	4540	1	081100027
1x12	M24x300	4540	1	081100029
* 1.1/4x12	M33x300	6900	1	081100034
* 1.1/4x18	M33x460	6900	1	081100035
* 1.1/4x24	M33x610	6900	1	081100036
* 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

Robur

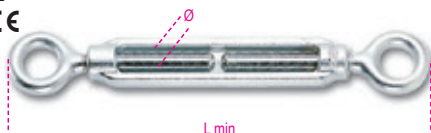
TURNBUCKLES

The original design of **Robur**'s established turnbuckles is extremely popular among Italian designers and structural engineers, based on precise dimensional tolerances, strength values higher than models DIN 1480 as well as traceability guaranteed by both the manufacturer and the identification code on the bodies. First-rate electrolytic galvanizing, with uniform deposits free from hexavalent chromium, results in good weathering resistance and neat appearance of exposed structural elements.

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 3/16	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

special packaging



Ø mm	≈ "				
M5	3/16	30	1	080050705	
M6	1/4	30	1	080050706	
M8	5/16	20	1	080050708	
M10	3/8	15	1	080050710	
M11	7/16	15	1	080050711	
M12	1/2	15	1	080050712	

special free service boxes

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

8005T

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

special free service boxes

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	

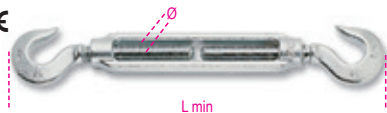
special free service boxes

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

special free service boxes

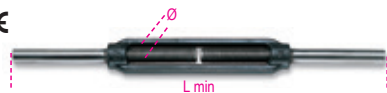


Ø mm	≈ "				
M5	2	1			080079305
M6	2	1			080079306
M8	1	1			080079108
M10	1	1			080079110
M11	1	1			080079111
M12	1	1			080079112

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

special free service boxes



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

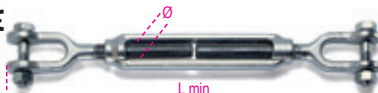
• Product specifications
• Test report type 2.2 UNI EN10204
• CE Declaration of Conformity

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

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		
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

special packaging



Ø mm	≈ "				
M8	5/16	5	1		080090708
M10	3/8	5	1		080090710
M12	1/2	5	1		080090712

special free service boxes



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

8009TZ

jaw and jaw turnbuckles,
pipe bodies, DIN 1478
galvanized

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	≈ "	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

special free service boxes

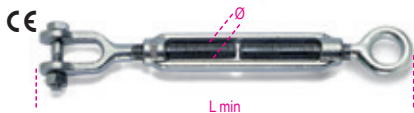


Ø mm	≈ "				
M12	1	1			080099512



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

special free service boxes



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

8011Z

hook and jaw turnbuckles,
galvanized



TECHNICAL DATA

• safety factor: 4

LABORATORY TESTS

• chemical analysis

• tensile test

AVAILABLE CERTIFICATES

• Product specification

• Test report UNI EN10204 type 2.2

• CE Declaration of Conformity CE

Ø mm	≈ "	L min mm	WFL kg		
M12	1/2	270	300	1	080110112
M16	5/8	360	570	1	080110116
M20	3/4	420	900	1	080110120
M24	1"	490	1300	1	080110124
M27	1 1/8	500	2300	1	080110127

8011TZ

hook and jaw turnbuckles,
pipe bodies DIN 1478,
galvanized



TECHNICAL DATA

• safety factor: 4

LABORATORY TESTS

• chemical analysis

• tensile test

AVAILABLE CERTIFICATES

• Product specification

• Test report UNI EN10204 type 2.2

• CE Declaration of Conformity

Ø mm	≈ "	L min mm	WFL kg		
M12	1/2	260	300	1	080110612
M16	5/8	350	570	1	080110616
M20	3/4	400	900	1	080110620
M24	1"	490	1300	1	080110624
M27	1 1/8	500	2300	1	080110627

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

Ø mm	≈ "	L mm	WFL kg		
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

special free service boxes



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	

8001TZ

pipe turnbuckle bodies,
galvanized



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

from M12 to M27 steel S235JR

from M30 to M42 steel S355JR

special free service boxes



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	080020198
M39	1 1/2	150	7900	1	080020199

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	080020398
M39	1 1/2	150	7900	1	080020399

 **Robur**

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	080040098
M39	1 1/2	150	7900	1	080040099

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	080040198
M39	1 1/2	150	7900	1	080040199

 **Robur**

 **Robur**

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	≈ "	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

filetto sinistrorso

Ø mm	≈ "	WFL kg	G mm		
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	E mm		
M8x50	430	6	39	20	080480108
M8x65	430	6	54	20	080480109
M10x80	690	8	66	10	080480110
M10x100	690	8	86	10	080480210
M10x130	690	8	116	10	080480111
M12x70	1020	10	53	8	080480212
M12x95	1020	10	78	8	080480112
M12x125	1020	10	108	8	080480113
M14x110	1420	12	91	6	080480114
M16x100	1980	14	79	6	080480115
M16x130	1980	14	109	6	080480116
M18x150	2390	16	126	2	080480118
M20x160	3100	18	134	2	080480120
M22x180	3890	18	152	1	080480122
M24x200	4460	20	168	1	080480124
M24x220	4460	20	188	1	080480125
M27x220	5900	22	185	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

special packaging



Ø mm	E mm		
M5	48	100	1 083020705
M6	55	75	1 083020706
M8	60	50	1 083020708
M10	73	50	1 083020710
M12	90	25	1 083020712

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

special packaging



Ø mm	C mm		
M5	6,0	60	1 083030705
M6	8,0	50	1 083030706
M8	10,0	30	1 083030708
M10	12,5	25	1 083030710
M12	16,0	10	1 083030712

8702N - 8702Z - 8702ZC

swage sockets made from forged steel
closed
black



TECHNICAL DATA

• 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

M	Ø B mm	Ø A mm	Ø D mm		
6	6,8	13	19	1	087020106
8	8,8	20	22	1	087020108
9	9,8	20	22	1	087020109
10	10,8	20	22	1	087020110
11	11,8	25	27	1	087020111
12	12,8	25	27	1	087020112
13	13,8	25	27	1	087020113
14	14,8	32	32	1	087020114
15	15,9	32	32	1	087020115
16	17,0	32	32	1	087020116
18	19,0	39	37	1	087020118
19	20,0	39	37	1	087020119
20	21,1	39	37	1	087020120
22	23,2	43	43	1	087020122
24	25,4	50	52	1	087020124
25	26,4	50	52	1	087020125
26	27,4	50	52	1	087020126

Socket swaging requires suitable presses and dies and
can only be performed by trained staff.

8702Z galvanized

M	Ø B mm	Ø A mm	Ø D mm		
6	6,8	13	19	1	087020306
8	8,8	20	22	1	087020308
9	9,8	20	22	1	087020309
10	10,8	20	22	1	087020310
11	11,8	25	27	1	087020311
12	12,8	25	27	1	087020312
13	13,8	25	27	1	087020313
14	14,8	32	32	1	087020314
15	15,9	32	32	1	087020315
16	17,0	32	32	1	087020316
18	19,0	39	37	1	087020318
19	20,0	39	37	1	087020319
20	21,1	39	37	1	087020320
22	23,2	43	43	1	087020322
24	25,4	50	52	1	087020324
25	26,4	50	52	1	087020325
26	27,4	50	52	1	087020326

8702ZC hot-dip galvanized

M	Ø B mm	Ø A mm	Ø D mm		
6	6,8	13	19	1	087020206
8	8,8	20	22	1	087020208
9	9,8	20	22	1	087020209
10	10,8	20	22	1	087020210
11	11,8	25	27	1	087020211
12	12,8	25	27	1	087020212
13	13,8	25	27	1	087020213
14	14,8	32	32	1	087020214
15	15,9	32	32	1	087020215
16	17,0	32	32	1	087020216
18	19,0	39	37	1	087020218
19	20,0	39	37	1	087020219
20	21,1	39	37	1	087020220
22	23,2	43	43	1	087020222
24	25,4	50	52	1	087020224
25	26,4	50	52	1	087020225
26	27,4	50	52	1	087020226

8709N - 8709Z - 8709ZC

swage sockets made from forged steel open black



TECHNICAL DATA

• 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

M	Ø B mm	Ø A mm	Ø C mm		
6	6,8	13	17	1	087090106
8	8,8	20	21	1	087090108
9	9,8	20	21	1	087090109
10	10,8	20	21	1	087090110
11	11,8	25	25	1	087090111
12	12,8	25	25	1	087090112
13	13,8	25	25	1	087090113
14	14,8	32	30	1	087090114
15	15,9	32	30	1	087090115
16	17,0	32	30	1	087090116
18	19,0	39	35	1	087090118
19	20,0	39	35	1	087090119
20	21,1	39	35	1	087090120
22	23,2	43	41	1	087090122
24	25,4	50	51	1	087090124
25	26,4	50	51	1	087090125
26	27,4	50	51	1	087090126

Socket swaging requires suitable presses and dies and can only be performed by trained staff.

8709Z galvanized

M	Ø B mm	Ø A mm	Ø C mm		
6	6,8	13	17	1	087090306
8	8,8	20	21	1	087090308
9	9,8	20	21	1	087090309
10	10,8	20	21	1	087090310
11	11,8	25	25	1	087090311
12	12,8	25	25	1	087090312
13	13,8	25	25	1	087090313
14	14,8	32	30	1	087090314
15	15,9	32	30	1	087090315
16	17,0	32	30	1	087090316
18	19,0	39	35	1	087090318
19	20,0	39	35	1	087090319
20	21,0	39	35	1	087090320
22	23,2	43	41	1	087090322
24	25,4	50	51	1	087090324
25	26,4	50	51	1	087090325
26	27,4	50	51	1	087090326

8709ZC hot-dip galvanized

M	Ø B mm	Ø A mm	Ø C mm		
6	6,8	13	17	1	087090206
8	8,8	20	21	1	087090208
9	9,8	20	21	1	087090209
10	10,8	20	21	1	087090210
11	11,8	25	25	1	087090211
12	12,8	25	25	1	087090212
13	13,8	25	25	1	087090213
14	14,8	32	30	1	087090214
15	15,9	32	30	1	087090215
16	17,0	32	30	1	087090216
18	19,0	39	35	1	087090218
19	20,0	39	35	1	087090219
20	21,1	39	35	1	087090220
22	23,2	43	41	1	087090222
24	25,4	50	51	1	087090224
25	26,4	50	51	1	087090225
26	27,4	50	51	1	087090226

WIRE ROPE CLIPS



Professional wire rope clips make it possible to obtain slots of strand wire ropes with steel cores, for use with tie-down and tensioning systems. Unlike many commercially available products, our wire rope clips DO NOT have cast iron bodies.

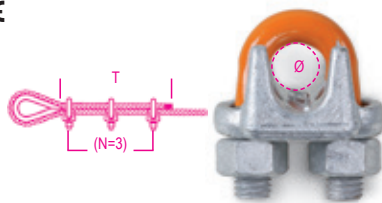
Indeed, in order to ensure optimal mechanical performance in heavy duty jobs, the bases are hot forged and are on average heavier than similar items.

First-rate electrolytic galvanizing, free from hexavalent chromium, provides good corrosion resistance and enhances appearance.

During the several decades of the Company's history, all these hallmarks have made item 8016 into the icon of the Robur brand, allowing 'Italian-style' wire rope clips to stand out worldwide.

8015

wire rope clips, American type, steel body, hot-dip galvanized



dimensioni EN 13411-5 tipo B

TECHNICAL DATA

• traceability code

LABORATORY TESTS

• chemical analysis

• torque test

AVAILABLE CERTIFICATES

• Technical product specifications

• Test report UNI EN10204 type 2.2

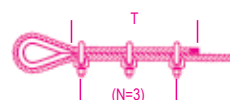
• Manufacturer's Certificate UNI EN13411-5

• CE Declaration of Conformity

Ø mm	Ø "	NxT	Nm		
8	5/16	3x133	40,7	12	080150808
10	3/8	3x165	61	12	080150810
13	1/2	3x292	88	6	080150813
16	5/8	3x305	129	6	080150816
20	3/4	4x460	176	6	080150820
22	7/8	4x480	305	6	080150822
26	1	5x660	305	5	080150826
30	1-1/8	6x860	305	2	080150830

8016

wire rope clips, hot forged steel body, galvanized



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	Ø "	N x T	Nm		
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

special free service boxes

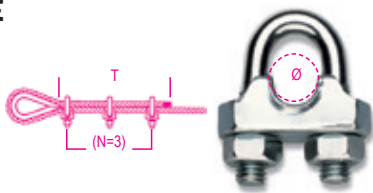


Ø mm	Ø "		
3	6	1	080169403
5	4	1	080169405
6	4	1	080169406
8	4	1	080169408
10	2	1	080169410
11	1	1	080169011
12-13	1	1	080169013
14	1	1	080169014
16	1	1	080169016
18	1	1	080169018
20	1	1	080169020
22	1	1	080169022
24-26	1	1	080169026

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	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

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

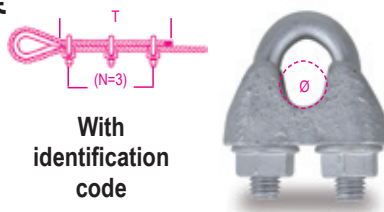
Ø mm	A mm	L mm	Nm		
4÷6	M6	34	4,24	100	080180001

Robur

8016U2

wire rope clips
malleable cast iron body
galvanized

CE



Dimensions EN 13411-5 type 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 "	N x T	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

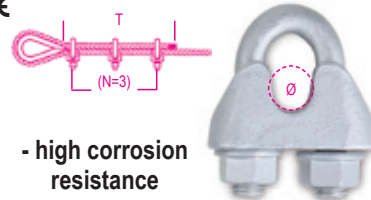
special free service boxes

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		

8016UGK

wire rope clips,
made of malleable cast iron,
HOT DIP GALVANIZED body,
GEOMET-GEOKOTE U-bolts and nuts

CE



- high corrosion resistance
- traceability code

Dimensions EN 13411-5 type 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 Declaration of conformity

Ø mm	Ø "	N x T	Nm		
8	5/16	4x320	6	70	080160758
10	3/8	4x320	9	60	080160760
12	1/2	4x448	33	25	080160762
14	9/16	4x384	20	15	080160764
16	5/8	4x512	49	10	080160766
19	3/4	4x512	68	10	080160769
22	7/8	5x680	107	10	080160772
26	1	5x760	147	5	080160776
30	1.1/8	6x984	212	1	080160780
34	1.1/4	6x1080	296	1	080160784
40	1.1/2	6x1176	363	1	080160790

8018T

wire rope clips, TELECOM type
malleable cast iron body
galvanized



RUM-MU-21:1980

LABORATORY TESTS

- chemical analysis

AVAILABLE CERTIFICATES

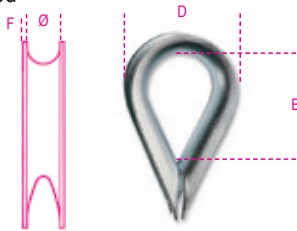
- Technical product specifications
- Test report UNI EN10204 type 2.2

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

Robur

8020A

thimbles, Italian light type, galvanized



AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

Ø mm	F mm	B mm	D mm	
2-3	1,0	20	18	150 080200503
4	1,2	23	19	150 080200504
5	1,2	24	23	100 080200505
6	1,2	27	28	100 080200506
8	1,4	33	32	50 080200508
10	1,8	41	38	30 080200510
12	2,2	44	45	30 080200512
14	2,2	52	49	50 080200514
16	3,0	58	58	50 080200516
18	3,7	64	68	50 080200518
20	3,7	73	74	35 080200520
22	3,7	83	79	30 080200522
24	3,7	93	88	20 080200525

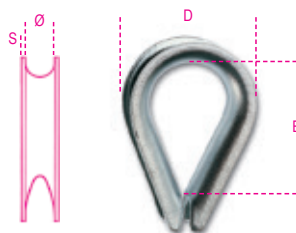
special packaging



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

8021A

thimbles, heavy type, galvanized



AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

Ø mm	S mm	B mm	D mm	
2-3	0,6	15	16	150 080210103
5	1,7	29	28	120 080210105
6	1,8	33	30	100 080210106
8	2,5	36	37	100 080210108
10	2,5	42	43	80 080210110
12	2,5	48	50	100 080210112
14	2,7	58	57	70 080210114
16	3	61	62	50 080210116
18	3,5	71	71	70 080210118
20	4	79	79	30 080210120
22	4	87	84	25 080210122
24	4	93	92	25 080210124
26	4	103	103	20 080210126
28	5	107	116	1 080210128
30	5	118	121	1 080210130
32	5,5	138	135	1 080210132
35	6	140	147	1 080210135
40	6,0	174	170	1 080210140

SHACKLES



Unlike similar products, Robur's high-tensile shackles are made entirely from hardened and tempered chrome molybdenum alloy steel, and designed to exceed 20,000 full-load cycles in laboratory tests. Therefore, they stand out in their category, as the best option for heavy-duty jobs, with a safety factor exceeding requirements under reference standards (6:1 instead of 5:1) and excellent resilience at low temperatures.

Robur's mild steel shackles are synonymous with reliability and effectiveness in time, based on top-quality raw material, exquisite mechanical workmanship and heat treatment (normalizing), which allow a high work load and safety factor to be reached compared to those of similar commercially available products.

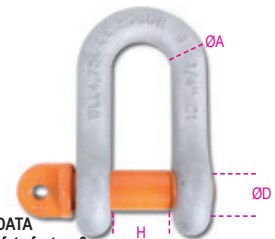
Clear, indelible marking on each piece makes it possible to identify the origin of the shackle, e.g. in case of inspections by auditing companies or competent bodies.

8026R

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

CE

EN 13889



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

ØD mm	ØA mm	H mm	WLL kg	
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11	10	17	1000	5 080260210
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16	13	21	2000	5 080260212
----	----	----	------	-------------

19	16	27	3250	3 080260216
----	----	----	------	-------------

22	19	32	4750	2 080260219
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25	22	37	6500	2 080260222
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special free service boxes



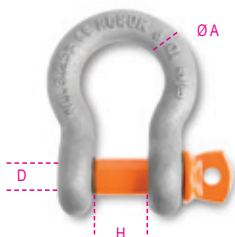
ØD mm				
16	1	1	080269212	
19	1	1	080269216	

8029R

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

CE

EN 13889



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

ØD mm	ØA mm	H mm	WLL kg	
8	6	13	500	20 080290106
10	8	13,5	750	15 080290108
11	10	17	1000	15 080290110
13	11	18,5	1500	10 080290111
16	13	20,5	2000	8 080290112
19	16	27	3250	8 080290116
22	19	32	4750	4 080290120
25	22	37	6500	4 080290122
28	26	43,5	8500	1 080290124

ØD mm	ØA mm	H mm	WLL kg		
32	29	48	9500	1	080290128
35	32	53	12000	1	080290132
38	35	59	13500	1	080290135
42	38	62	17000	1	080290138
50	45	75	25000	1	080310145
57	50	83	35000	1	080290150
65	57	95	42500	1	080290157
70	65	105	55000	1	080290165

special free service boxes



ØD mm			
8	1	1	080299106
10	1	1	080299108
11	1	1	080299110
13	1	1	080299111
16	1	1	080299112
19	1	1	080299116

special packaging



ØD mm	ØA mm			
8	6	10	1	080290706
10	8	10	1	080290708
11	10	10	1	080290710
13	11	5	1	080290711
16	13	4	1	080290712
19	16	4	1	080290716
22	19	2	1	080290720
25	22	2	1	080290722

8031R

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

CE



EN 13889

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

ØD mm	ØA mm	H mm	WLL kg		
11	10	17	1000	5	080310110
13	11	18	1500	5	080310111
16	13	21	2000	5	080310112
19	16	27	3250	3	080310116
22	19	32	4750	2	080310120
25	22	37	6500	2	080310122
28	26	43	8500	1	080310124

ØA mm	ØD mm	H mm	WLL kg		
29	32	48	9500	1	080310128
32	35	53	12000	1	080310132
35	38	59	13500	1	080310135
38	42	62	17000	1	080310138
45	50	75	25000	1	080310145
50	57	83	35000	1	080310150
65	70	105	55000	1	080310165
75	83	127	85000	1	080310183

special free service boxes

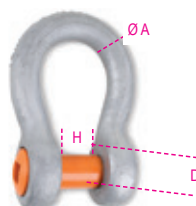


ØD			
mm			
16	1	1	080319112
19	1	1	080319116

8032

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

CE



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

ØD mm	ØA mm	H mm	WLL kg		
11	10	17	1000	5	080320010
16	13	21	2000	5	080320012
19	16	27	3250	3	080320016
22	19	32	4750	2	080320020
25	22	37	6500	2	080320022

special free service boxes

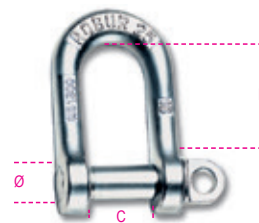


ØD			
mm			
16	1	1	080329012
19	1	1	080329016

8025

lifting LARGE DEE shackles,
hot forged carbon steel,
galvanized

CE



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

special free service boxes

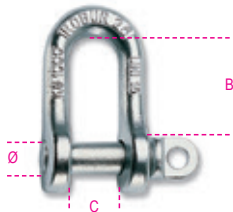


Ø mm			
5	4	1	080259205
6	4	1	080259206
8	2	1	080259208
10	2	1	080259210
11	1	1	080259011
12	1	1	080259012
14	1	1	080259014
16	1	1	080259016
18	1	1	080259018
20	1	1	080259020
22	1	1	080259022
25	1	1	080259025

8026A

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

CE



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
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

special free service boxes



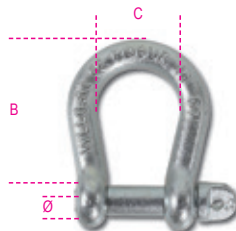
Ø mm					
12	1	1	080269012		
14	1	1	080269014		
16	1	1	080269016		
18	1	1	080269018		
20	1	1	080269020		
22	1	1	080269022		
25	1	1	080269025		

Robur

8028

lifting BOW shackles,
hot forged carbon steel,
galvanized

CE



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

special free service boxes



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		

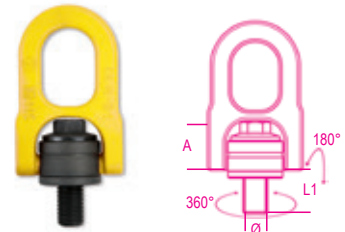
8049 WLL (t)

	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
	0° 45°	0,4	0,8	1,4	2,2	3,5	5,6	8,8
	46° 60°	0,3	0,6	1	1,6	2,5	4	6,3
	0° 45°	0,6	1,3	2,1	3,4	5,3	8,4	13,2
	46° 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
- traceability code

LABORATORY TESTS

- chemical analysis
- metallographic analysis
- tensile test

AVAILABLE CERTIFICATES

- fatigue test (20,000 cycles)
- 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 90° 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

Robur

Robur

8049A WLL (kg)

	6"	M6	M8	M10	M12	M16	M20	M24	M30	M36
	0°	400	600	900	1000	2000	4000	6300	10600	11800
	0°	800	1200	1800	2000	4000	8000	12600	21200	23600
	90°	200	300	450	500	1120	2000	3150	5300	8000
	90°	400	600	900	1000	2000	4000	6300	10600	16000
	0° 45° 60°	250 200 200	400 300 300	600 450 450	700 500 500	1400 1120 1120	2800 2000 2000	4250 3150 3150	7100 5300 5300	10700 8000 8000
	0° 45° 60°	400 250 250	600 400 400	900 600 600	1000 750 750	2100 1500 1500	4200 3000 3000	6300 4750 4750	11200 8000 8000	16000 10700 10700

8049A

lifting eyebolts,
double swivel ring, turnable under load,
with welded ring,
high-tensile alloy steel

CE



TECHNICAL DATA

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

LABORATORY TESTS

- chemical analysis
- metallographic analysis
- tensile test
- fatigue test (20,000 cycles)
- testing load (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	A mm	WLL 90° kg		
M6	13	30	200	1	080490106
M8	13	30	300	1	080490108
M10	19	30	450	1	080490110
M12	19	30	500	1	080490112
M16	20	30	1120	1	080490116
M20	30	40	2000	1	080490120
M24	30	40	3150	1	080490124
M30	35	50	5300	1	080490130
M36	54	50	8000	1	080490136

8049V

lifting eyebolts
with offset brackets,
high-tensile alloy steel
360° swivel eyebolt and swivel bracket

CE



TECHNICAL DATA

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

LABORATORY TESTS

- chemical analysis
 - metallographic analysis
 - tensile test
 - fatigue test (20,000 cycles)
 - test load (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	B mm	WLL kg		
M10	13,5	37	630	1	080490310
M12	18	37,5	1000	1	080490312
M16	24	37,5	1500	1	080490316
M20	35,5	54	2500	1	080490320
M24	35,5	54	4000	1	080490324

8068S

weld-on brackets for load lifting,
single-based, with positioning springs,
high tensile alloy steel body

- Compact dimensions for lifting operations
- Tested to withstand 20,000 work cycles at full load
- Test load applied to 100% of parts before sale
- Safety factor: 4, in all directions

CE



TECHNICAL DATA

- safety factor: 4
 - heat treatment: hardening
 - traceability code
- LABORATORY TESTS
- chemical analysis
 - metallographic analysis
 - tensile test
 - fatigue test (20,000 cycles)
 - 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	B mm	M mm	A mm		
1500	78	37	41	1	080680115
2500	88	40	42	1	080680125
4000	94	42	45	1	080680140
6700	118	51	55	1	080680167

Caution:

- Coupling element must ensure proper mechanical resistance and be suitable for welding.
- Welding must be performed by trained personnel.

8041

lifting eyebolts,
high-tensile alloy steel

CE



TECHNICAL DATA

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

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		
M6	1	11	400	10 080410206
* M8	1,25	13	800	10 080410208
* M10	1,5	17	1000	6 080410210
* M12	1,75	20,5	1600	4 080410212
M14	2	20,5	3000	2 080410214
M16	2,5	27	4000	2 080410217
M18	2,5	27	5000	2 080410218
M20	3,0	30	6000	2 080410221
M22	2,5	30	7000	2 080410222
M24	3	36	8000	2 080410225
M27	3	41	10000	1 080410227
* M30	3,5	45	12000	1 080410230

(*) Dimensional specifications DIN 580:2010

WLL increased according to Robur Technical Product Specifications

special free service boxes



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

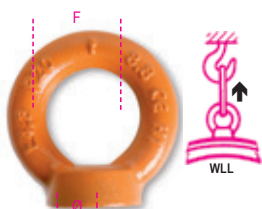
Robur

Robur

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	F mm	WLL kg		
M6	1	20	400	10 080430206
* M8	1,25	20	800	10 080430208
* M10	1,50	25	1000	6 080430210
* M12	1,75	30	1600	4 080430212
M14	2	35	3000	2 080430214
M16	2	40	4000	2 080430217
M18	2,5	40	5000	2 080430218
M20	2,5	50	6000	2 080430221
M22	2,5	50	7000	2 080430222
M24	3	55	8000	2 080430225
M27	3	60	10000	1 080430227
* M30	3,5	60	12000	1 080430230

(*) Dimensional specifications DIN 582:2010
WLL increased according to Robur Technical Product Specifications

special free service boxes



Ø mm	F mm	WLL kg		
* M8	1	1	080439208	
* M10	1	1	080439210	
* M12	1	1	080439212	

LIFTING EYE NUTS AND BOLTS



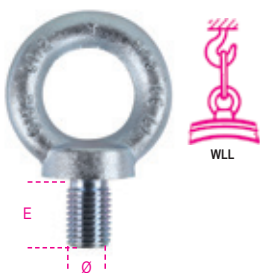
Robur's lifting eye nuts and bolts are made from mild carbon steel, with the addition of a minimum aluminium content, and must meet strict parameters relating to the grain size of the material, in accordance with DIN580-582.

Exquisite mechanical workmanship also makes a role in making a difference: the relief groove of the collars at the base of the lifting eyes/nuts results in improved grip and full contact with the surface of the body to lift. Based on these hallmarks, our lifting eye nuts/bolts are ideal for complex lifting tasks and intensive use, e.g. in environments with continuous cycle operation or a temperature range of -20 °C ÷ +200 °C.

8040EZ

lifting eye bolts,
galvanized

CE



DIN 580:2018-04(**)

TECHNICAL DATA

- safety factor: 6
- heat treatment: normalizing

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	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 dimensioned according to Robur Technical File

special packaging



Ø mm	F mm	WLL kg		
M6	1	20	1	080400906
M8	1,25	20	1	080400908
M10	1,5	20	1	080400910
M12	1,75	15	1	080400912

special free service boxes

Ø mm	F mm	WLL kg		
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	

Ø mm	F mm	WLL kg		
* M22	1	1	080409422	
M24	1	1	080409424	
* M27	1	1	080409427	
M30	1	1	080409430	

8040EN

lifting eye bolts,
self-coloured

CE



DIN 580:2018-04(**)

TECHNICAL DATA

- safety factor: 6
- heat treatment: normalizing

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	F mm	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 dimensioned according to Robur Technical File

special free service boxes

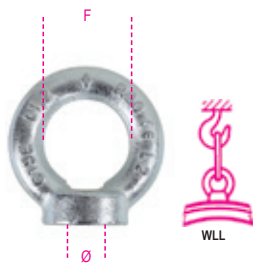


Ø mm	F mm	WLL kg		
M6	4	1	080409506	
M8	4	1	080409508	
M10	2	1	080409510	
M12	1	1	080409312	
* M14	1	1	080409314	
M16	1	1	080409316	
* M18	1	1	080409318	
M20	1	1	080409320	
* M22	1	1	080409322	
M24	1	1	080409324	
* M27	1	1	080409327	
M30	1	1	080409330	

8042EZ

lifting eye nuts,
galvanized

CE



DIN582:2018-04(**)

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	F mm	WLL kg	
* M6	1	14	90
M8	1,25	20	140
M10	1,5	25	230
M12	1,75	30	340
* M14	2	30	480
M16	2	35	700
* M18	2,5	35	930
M20	2,5	40	1200
* M22	2,5	40	1450
M24	3	50	1800
* M27	3	55	2400
M30	3,5	60	3200
* M36	4	70	4600
* M36F	3	70	4600
M42	4,5	80	6300
* M42F	3	80	6300
M48	5	90	8600
* M48F	3	90	8600

*Sizes dimensioned according to Robur Technical File

special packaging



Ø mm	F mm	WLL kg	
M6	1	20	1 080420906
M8	1,25	20	1 080420908
M10	1,5	20	1 080420910
M12	1,75	15	1 080420912

special free service boxes



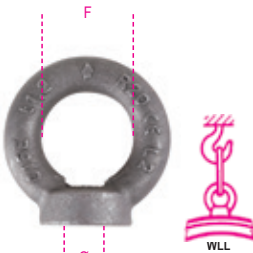
Ø mm	F mm	WLL kg	
M6	4		1 080429606
M8	4		1 080429608
M10	2		1 080429610
M12	1		1 080429612
* M14	1		1 080429614
M16	1		1 080429616
* M18	1		1 080429618
M20	1		1 080429620
* M22	1		1 080429622
M24	1		1 080429624
* M27	1		1 080429627
M30	1		1 080429630



8042EN

lifting eye nuts,
self-coloured

CE



DIN582:2018-04(**)

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	F mm	WLL kg	
* M6	1	14	90
M8	1,25	20	140
M10	1,5	25	230
M12	1,75	30	340
* M14	2	30	480
M16	2	35	700
* M18	2,5	35	930
M20	2,5	40	1200
* M22	2,5	40	1450
M24	3	50	1800
* M27	3	55	2400
M30	3,5	60	3200
* M36	4	70	4600
* M36F	3	70	4600
M42	4,5	80	6300
* M42F	3	80	6300
M48	5	90	8600
* M48F	3	90	8600

*Sizes dimensioned according to Robur Technical File

special free service boxes



Ø mm	F mm	WLL kg	
M6	4		1 080429506
M8	4		1 080429508
M10	2		1 080429510
M12	1		1 080429512
* M14	1		1 080429514
M16	1		1 080429516
* M18	1		1 080429518
M20	1		1 080429520
* M22	1		1 080429522
M24	1		1 080429524
* M27	1		1 080429527
M30	1		1 080429530

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	F 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



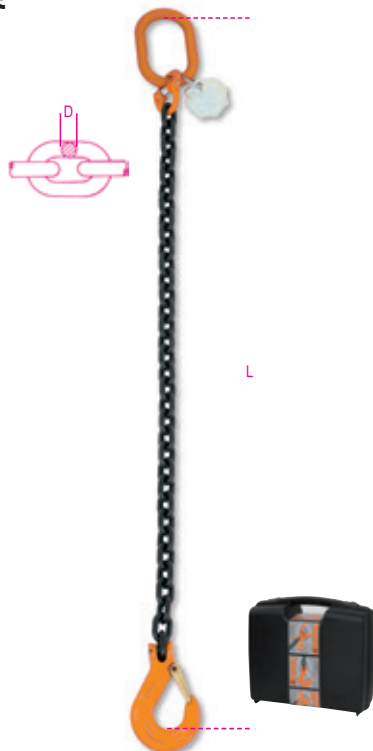
CHAIN SLINGS Grade 8

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		
7	1,5	2,12	1,5		
8	2	2,8	2		
10	3,15	4,25	3,15		
13	5,3	7,5	5,3		
16	8	11,2	8		
Ø D mm	WLL 3	WLL 4		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			

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

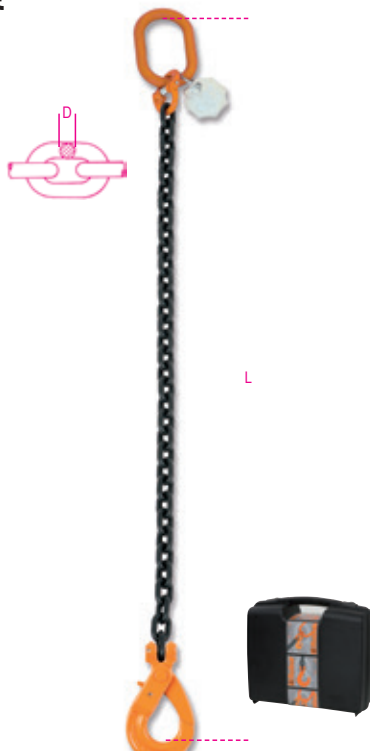
D mm	L m	WLL ton		
6*	1	1,12	1	080910001
6*	2	1,12	1	080910002
6*	3	1,12	1	080910003
6*	4	1,12	1	080910004
7*	1	1,5	1	080910021
7*	2	1,5	1	080910022
7*	3	1,5	1	080910023
7*	4	1,5	1	080910024
8*	1	2	1	080910041
8*	2	2	1	080910042
8*	3	2	1	080910043
8*	4	2	1	080910044
10*	1	3,15	1	080910051
10*	2	3,15	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
20	1	12,5	1	080910171
20	2	12,5	1	080910172
20	3	12,5	1	080910173
20	4	12,5	1	080910174

* 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
20	1	12,5	1	080910401
20	2	12,5	1	080910402
20	3	12,5	1	080910403
20	4	12,5	1	080910404

* 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
20	2	17,0	1	080920172
20	3	17,0	1	080920173
20	4	17,0	1	080920174

* 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
20	2	17,0	1	080920402
20	3	17,0	1	080920403
20	4	17,0	1	080920404

* 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
20	2	26,5	1	080940172
20	3	26,5	1	080940173
20	4	26,5	1	080940174

* 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
20	2	26,5	1	080940402
20	3	26,5	1	080940403
20	4	26,5	1	080940404

* 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
20	1	12,5	1 080960171
20	2	12,5	1 080960172
20	3	12,5	1 080960173
20	4	12,5	1 080960174

* 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
20	1	12,5	1 080960401
20	2	12,5	1 080960402
20	3	12,5	1 080960403
20	4	12,5	1 080960404

* 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
20	2	17,0	1 080970172
20	3	17,0	1 080970173
20	4	17,0	1 080970174

* 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
20	2	17,0	1 080970402
20	3	17,0	1 080970403
20	4	17,0	1 080970404

* 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
20	2	26,5	1 080980172
20	3	26,5	1 080980173
20	4	26,5	1 080980174

* 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

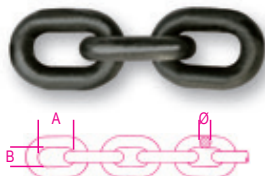
D mm	L m	WLL ton	
6*	1	2,36	1 080980201
6*	2	2,36	1 080980202
6*	3	2,36	1 080980203
6*	4	2,36	1 080980204
7*	1	3,15	1 080980221
7*	2	3,15	1 080980222
7*	3	3,15	1 080980223
7*	4	3,15	1 080980224
8*	1	4,25	1 080980241
8*	2	4,25	1 080980242
8	3	4,25	1 080980243
8*	4	4,25	1 080980244
10*	1	6,7	1 080980251
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
20	2	26,5	1 080980402
20	3	26,5	1 080980403
20	4	26,5	1 080980404

* packed in plastic case

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
12500	20	60	26,0	1 081000125

8085R

lifting master links,
high-tensile alloy steel

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 kg	Ø mm	A mm	B mm	
* 1600	7	110	60	1 080850215
2120	8	110	60	1 080850220
3150	10	135	75	1 080850232
5300	13	160	90	1 080850253
8000	16	180	100	1 080850280
11200	19	200	110	1 080850311
16000	20	260	140	1 080850316
17000	22	300	160	1 080850317

The working load refers to slings 3 or 4 arms and angle β less than 45°.

(*) Combined with ϕ 6mm chain, WLL= 2360 kg

8086

lifting master link assemblies
alloy steel, painted

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 kg	Ø mm	B mm	C mm	
* 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
21200	18	340	180	1 080860121
26500	20	350	190	1 080860126

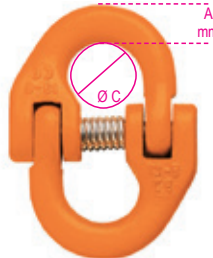
The working load refers to slings 3 or 4 arms and angle β less than 45°.

(*) Combined with ϕ 6mm chain, WLL= 2360 kg

8090R

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 kg	Ø mm	Ø C max	A mm	
1120	6	13	7,5	1 080900111
1500	7	18	9	1 080900115
2000	8	18	11	1 080900120
3150	10	22	13,0	1 080900131
5300	13	30	16	1 080900153
8000	16	32	22	1 080900180
12500	20	40	25	1 080900312

8060R

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 kg	Ø mm	C mm	
1120	6	19	1 080600111
1500	7	19	1 080600115
2000	8	21	1 080600120
3150	10	27	1 080600132
5300	13	35	1 080600153
8000	16	48	1 080600180
12500	20	54	1 080600225

8058R

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 kg	Ø mm	J min mm	
1120	6	28	1 080580112
2000	7-8	34	1 080580120
3150	10	44	1 080580132
5300	13	52	1 080580153
8000	16	67	1 080580180
12500	20	77	1 080580225

8061R

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

CE



EN 1677-1

TECHNICAL DATA

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

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	Ø mm	E mm		
1120	6	8	1	080610211
2000	7-8	11	1	080610220
3150	10	13	1	080610231
5300	13	17	1	080610253
8000	16	20	1	080610280
12500	20	24	1	080610312

8052

wire rope eye hooks,
high-tensile alloy steel

CE



EN 1677-2

TECHNICAL DATA

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

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

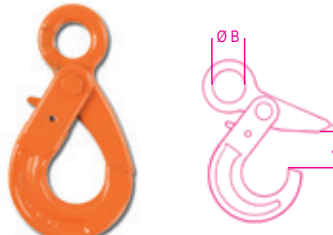
WLL kg	C mm		
8052 0,8	800	18	1 080520008
8052 1,12	1120	22,5	1 080520011
8052 2	2000	30	1 080520020
8052 3,15	3150	36	1 080520031
8052 4	4000	39,5	1 080520040

WLL kg	A mm	E mm		
8055S 5,4	5400	32	1	080550145
8055S 8,0	8000	43	1	080550170
8055S 11,5	11500	53	1	080550215
8055S 16,0	16000	58	1	080550260
8055S 22,0	22000	78	1	080550320

8057R

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

CE



EN 1677-3

TECHNICAL DATA

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

LABORATORY TESTS

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

AVAILABLE CERTIFICATES

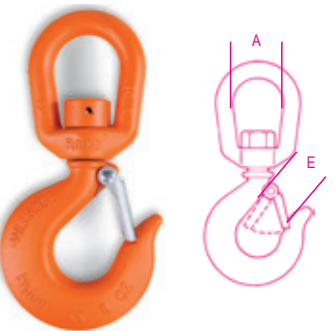
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

WLL kg	Ø mm	J min mm	Ø B mm		
1120	6	28	22	1	080570112
2000	7-8	34	25	1	080570120
3150	10	44	32	1	080570132
5300	13	54	40	1	080570153

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

LABORATORY TESTS

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

AVAILABLE CERTIFICATES

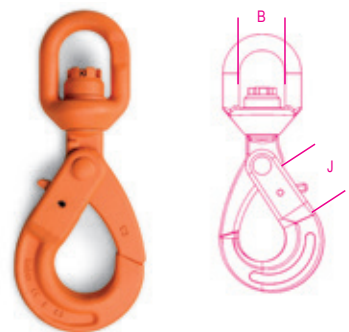
- Technical Product Specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

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

8063SL

self-locking swivel hooks
(not under load)
high-tensile alloy steel
grade 8

CE



EN 1677-1

TECHNICAL DATA

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

LABORATORY TESTS

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

AVAILABLE CERTIFICATES

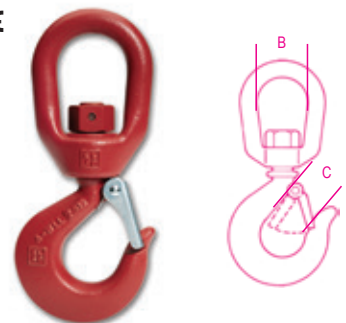
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

WLL kg	Ø mm	B mm	J mm		
1120	6	32	45	1	080630311
2000	8	35	59	1	080630320
3150	10	42	54	1	080630331
5300	13	49	83	1	080630353

8064S

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

CE



EN 1677-5

TECHNICAL DATA

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

LABORATORY TESTS

- chemical analysis, metallographic analysis
- proof load test (WLL x 2.5)
- tensile test
- fatigue test (min. 20,000 cycles)

AVAILABLE CERTIFICATES

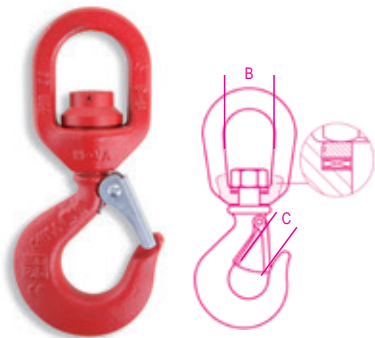
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

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

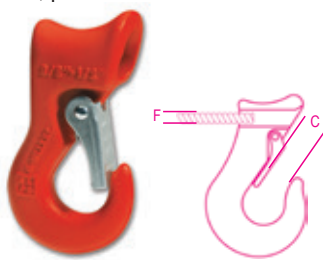
- Technical product specifications
- Test report UNI EN10204 type 2.2
- Inspection certificate UNI EN10204 type 3.1
- CE Declaration of Conformity

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

8051S

lifting eye hooks,
carbon steel, galvanized

CE



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

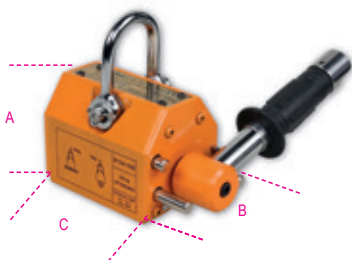
special free service boxes

WLL kg				
250	1	1	080519202	
500	1	1	080519205	

8134

permanent magnetic lifters

CE



EN13155

Technical data:

- Safety factor: 3
- Identification tag

Available certificates:

- Manufacturer's Certificate
- Declaration of Conformity with Machinery Directive 2006/42/EC
- Test Report UNI EN10204 type 2.2
- Operation and maintenance manual

WLL kg	A mm	B mm	C mm		
100	70	64	92	1	081340010
300	96	88	165	1	081340030
600	120	118	236	1	081340060
1000	168	168	264	1	081340100

8135

steel plate lifting clamps
with articulated lifting eyes

CE



EN13155



TECHNICAL DATA

- Safety factor: 3
- Serial number identification plate

AVAILABLE CERTIFICATES

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

WLL t	A mm	E mm		
0,75	0-15	2	2	1 081350005
1,0	0-20	5	5	1 081350010
2,0	0-25	8	8	1 081350020
3,0	0-30	15	15	1 081350032
5,0	0-50	23	23	1 081350050

8143

hand chain blocks

CE



EN13157

Certificato TUV

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	sforzo / effort kg		
0,5	3	27	1	081430005
1	3	44	1	081430010
1,5	3	44	1	081430015
2	3	44	1	081430020
3	3	45	1	081430030
5	3	47	1	081430050
0,5	6	27	1	081430105
1	6	44	1	081430110
1,5	6	44	1	081430115
2	6	44	1	081430120
3	6	45	1	081430130
5	6	47	1	081430150

8146

lever hoists

CE



EN13157
Certificato TUV
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	sforzo / effort kg	
0,75	1,5	21*	1 081460008
1,5	1,5	41*	1 081460015
3,0	1,5	41	1 081460030
6,0	1,5	46	1 081460060

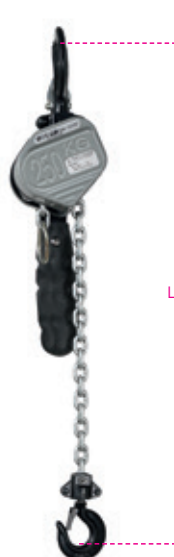
WLL t	L m	sforzo / effort kg	
0,75	3,0	21*	1 081460108
1,5	3,0	41*	1 081460115
3,0	3,0	41	1 081460130
6,0	3,0	46	1 081460160

H= minimum distance between hooks
(*) equipped with overload protection system

8146C

lever hoist, compact

CE



EN13157
Certificato TUV
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

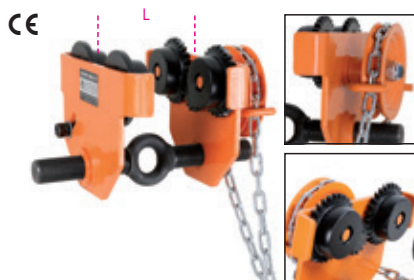
WLL t	L m	sforzo / effort kg	
0,25	1,5	20,7	1 081460002

H= minimum distance between hooks

8147C

chain trolleys
for manual hoists

suitable for structural beams (INP, IPB, IPE, HEA, HEB etc.)



EN 13157

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 min mm	L max mm	Lm	
1,0	58	220	3	1 081470510
2,0	66	220	3	1 081470520
3,0	74	220	3	1 081470530
5,0	90	220	3	1 081470550

Item supplied disassembled: it must be assembled
before use in accordance with instruction manual.

8147S

push trolleys
for manual beam clamps

suitable for structural beams (INP, IPB, IPE, HEA, HEB etc.)

CE



EN 13157

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 min mm	L max mm	øF mm	
0,5	50	220	25	1 081470005
1,0	58	220	30	1 081470010
2,0	66	220	40	1 081470020

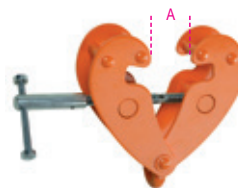
Item supplied disassembled: it must be assembled
before use in accordance with instruction manual.

8147P

beam clamps for manual hoists

suitable for structural beams (INP, IPB, IPE, HEA, HEB etc.)

CE



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	A min mm	A max mm	
1,0	90	180	1 081470210
2,0	90	190	1 081470220
3,0	85	280	1 081470230
5,0	85	280	1 081470250

Robur

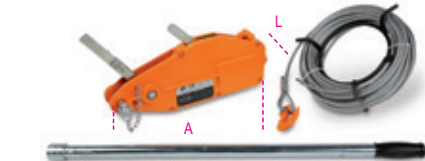
Robur

8148

manual rope winch,
aluminium alloy body,
complete with operating lever, rope and hook

Lightweight and portable, the Robur manual rope winch complies with EN 13157, is made from high-quality materials and is suitable for lifting, pulling, tensioning and fixing loads in all directions through the operating lever. Based on its compact, handy design, it is easy to install and use. Generally connected to a fixed lashing point, it allows for highly precise load positioning and ensures safe operation in all directions - horizontal, vertical and tilted. Based on its compact, handy design, it is easy to install and use. The Robur manual winch makes it possible to use ropes in any length, and its capacity can be increased by a factor of 2, 3, 4 or more - provided that its frame is inspected -, by using guide rollers and hooks with blocks in accordance with the reference standard.

CE



EN 13157

• Safety factor: 4:1

WLL t	L m	A mm	ø f mm		
0,8	20	426	8,3	1	081480008
1,6	20	545	11	1	081480016
3,2	20	660	16	1	081480032

0,8	30	426	8,3	1	081480108
1,6	30	545	11	1	081480116
3,2	30	660	16	1	081480132

0,8	50	426	8,3	1	081480308
1,6	50	545	11	1	081480316
3,2	50	660	16	1	081480332

8148F

strand rope made from galvanized steel
wound on a crosspiece
with high tensile hook

CE



WLL t	L m	ø F		
0,8	20	8,3	1	081480520
1,6	20	11	1	081480521
3,2	20	16	1	081480523

0,8	30	8,3	1	081480530
1,6	30	11	1	081480531
3,2	30	16	1	081480533

0,8	50	8,3	1	081480550
1,6	50	11	1	081480551
3,2	50	16	1	081480553

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
7,0	25	450	25	1	081200070
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
7,0	25	450	25	1	081200370
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

8121MZC

Genovese chains
for static connections,
hot-dip galvanized



AVAILABLE CERTIFICATES

- Product specification
- Test report UNI EN10204 type 2.2

Ø mm	nr	WFL kg	m		
6,0	23	310	50	1	081210306
8,0	27	600	50	1	081210308
10,0	30	1000	50	1	081210310
12,0	32	1400	50	1	081210312
14,0	34	1800	50	1	081210314

8120D

calibrated chains DIN766
electrolytic galvanized
available in any length on request (>30m)



TECHNICAL DATA

• safety factor: 4

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

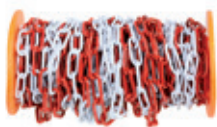
Ø mm	P mm	WFL kg	m		
4	16	200	30	1	081200640
5	18,5	320	30	1	081200650
6	18,5	400	30	1	081200660
7	22	630	30	1	081200670
8	24	800	30	1	081200680
10	28	1250	30	1	081200700

calibrated chains DIN766
HOT-DIP galvanized

Ø mm	P mm	WFL kg	m		
4	16	200	30	1	081200840
5	18,5	320	30	1	081200850
6	18,5	400	30	1	081200860
7	22	630	30	1	081200870
8	24	800	30	1	081200880
10	28	1250	30	1	081200900

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

8130

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

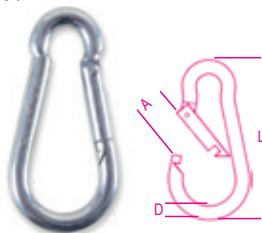


AVAILABLE CERTIFICATES:
Test report UNI EN10204 type 2.2

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

8074

carabine hooks,
galvanized



DIN 5299 tipo C

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

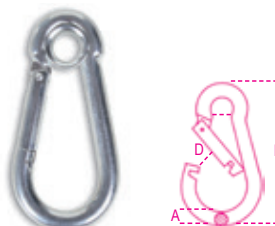
special packaging



DxL mm	A mm			
6x60	8	50	1	080740760
7x70	9	25	1	080740770
8x80	11	25	1	080740780
9x90	12	15	1	080740790
10x100	13	15	1	080740800
11x120	16	10	1	080740801
12x140	22	10	1	080740802

8074A

ring carabine hooks,
galvanized



DIN 5299 tipo A

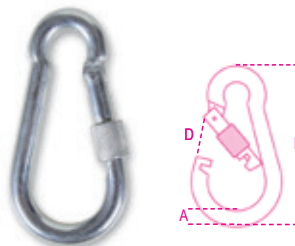
TECHNICAL DATA

- 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



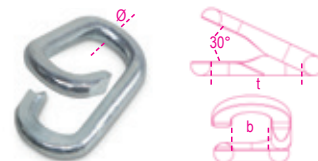
TECHNICAL DATA

- 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
14x122	16,5	400	3	080800014

8080FM

missing links,
galvanized



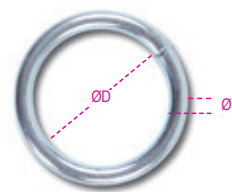
TECHNICAL DATA

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

M	ød mm	b mm	t mm		
4	3,8	8,6	21,5	100	080800204
5	4,7	11,1	25,8	50	080800205
6	5,3	13,8	32,0	30	080800206
7	6,5	16,8	37,0	10	080800207
8	8,0	18,0	38,0	10	080800208

8082

rings
galvanised steel

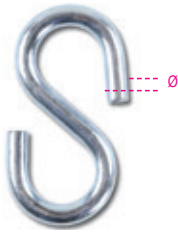


AVAILABLE CERTIFICATES:
Test Report UNI EN10204 type 2.2

Ø mm	ØD mm	WFL kg		
4	20	75	50	080820004
5	30	125	20	080820005
6	40	185	10	080820006
7	50	265	5	080820007
8	60	350	5	080820008

8083

S-hooks
galvanised steel

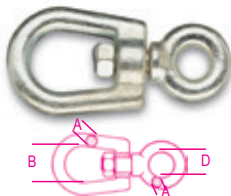


AVAILABLE CERTIFICATES:
Test report UNI EN10204 type 2.2

Ø mm	L mm	WFL kg		
3	33	4	100	080830003
4	40	5	60	080830004
5	47	12	50	080830005
6	59	18	30	080830006
8	79	33	10	080830008

8114

oblong eye swivels,
galvanized



TECHNICAL DATA
• safety factor: 4
• traceability code

LABORATORY TESTS
• tensile test

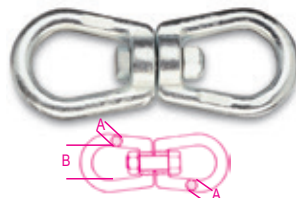
AVAILABLE CERTIFICATES

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

A mm	B mm	D mm	WFL kg		
8	30	16	250	10	081140008
10	38	18	300	10	081140010
12	42	20	650	5	081140012
14	48	22	820	5	081140014
16	57	24	1000	3	081140016
18	64	26	1600	3	081140018
20	72	30	2000	1	081140020
22	80	34	2500	1	081140022

8116

oblong eye & eye swivels,
galvanized



TECHNICAL DATA

• safety factor: 4

• traceability code

LABORATORY TESTS

• tensile test

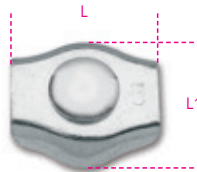
AVAILABLE CERTIFICATES

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

A mm	B mm	WFL kg		
6	23	140	10	081160006
8	30	250	10	081160008
10	38	300	5	081160010
12	42	650	5	081160012
14	48	820	3	081160014
16	57	1000	3	081160016
18	64	1600	1	081160018
20	72	2000	1	081160020
22	80	2500	1	081160022

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

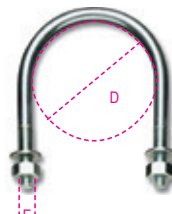


AVAILABLE CERTIFICATES
• Test report UNI EN10204 type 2.2

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

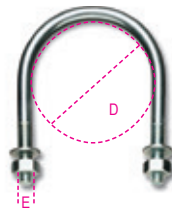


AVAILABLE CERTIFICATES
• Technical product specifications
• Test report UNI EN10204 type 2.2

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
140	5"	M8	25	083810215
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

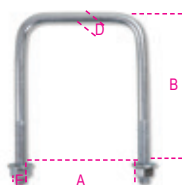
D mm	D gas	E mm		
22	1/2"	M8	100	083810301
27	3/4"	M8	100	083810302
34	1"	M8	100	083810303
43	1 1/4"	M8	100	083810304
49	1 1/2"	M10	25	083810305
61	2"	M10	25	083810306
77	2 1/2"	M10	25	083810307
89	3"	M10	25	083810308
102	3 1/2"	M12	25	083810309
115	4"	M12	15	083810310
140	5"	M12	15	083810312
168	6"	M16	15	083810315
220	8"	M16	10	083810320
274	10"	M16	1	083810374
274	10"	M20	1	083810375
324	12"	M20	1	083810386
408	16"	M24	1	083810508

Robur

Robur

8383C

square U bolts,
hot galvanized
Flanged nuts



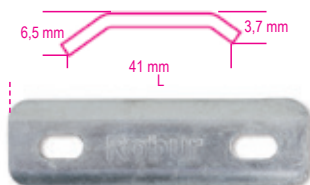
AVAILABLE CERTIFICATES

- 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



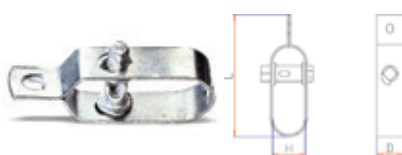
AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

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

8515Z

wire tenders, galvanized



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

8515V

wire tenders,
painted



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

8515CH

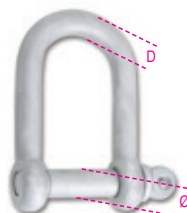
wire tender keys,
galvanized



L mm	A mm	B 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



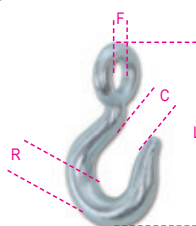
AVAILABLE CERTIFICATES

- 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

8050 D1÷D45

safety locks and spare parts kit for eye hooks



8050D1	1	080500945
8064S-8065SC/800-8055S/1250		
8050D2	1	080500946
8064S-8065SC/1000		
8062/1500-8055S/1600		
8050D3	1	080500947
8064S-8065SC/1600-2000		
8055S/2500-3200		
8050D4	1	080500948
8064S-8065SC/3200-8055S/5400		
8050D5	1	080500949
8064S-8065SC/5000-8055S/8000		
8050D6	1	080500950
8064S/7500-8055S/11500		
8050D11	1	080500955
8062/2000		
8050D12	1	080500956
8062/3000		
8050D13	1	080500957
8062/5000		
8050D22	1	080500966
8064S/10000		
8055S/16000		
8050D23	1	080500967
8055S/22000		
8050D24	1	080500969
8051S/250		
8050D25	1	080500970
8051S/500		
8050D30	1	080500975
8061F/8000		
8050D32	1	080500977
8060/8000		
8050D 33	1	080500978
8052/800		
8050D 34	1	080500979
8052/1120		
8050D 35	1	080500980
8052/2000		
8050D 36	1	080500981
8052/3150		
8050D 37	1	080500982
8052/4000		
8050D38	1	080500983
8060R/1120		
8050D53	1	080500994
8060R/1500		
8050D39	1	080500984
8060R/2000		
8050D40	1	080500985
8060R/3150		
8050D41	1	080500986
8060R/5300		
8050D42	1	080500987
8063/800		
8050D43	1	080500988
8063/1120		
8050D44	1	080500989
8063/2000		
8050D45	1	080500990
8063/3150		



8050D46	1	080500991
8061R/1120		
8050D47	1	080500992
8061R/2000		
8050D48	1	080500993
8061R/3150		
8050D54	1	080500995
8061R/5300		



8050D49	1	080500849
8057R - 8058R - 8063SL /1120		
8050D50	1	080500850
8057R - 8058R - 8063SL /2000		
8050D51	1	080500851
8057R - 8058R - 8063SL /3150		
8050D52	1	080500852
8057R - 8058R - 8063SL /5300		

8058R/PS

pin kit for hooks item 8058R-8061R



	Ø mm		
8058R/PS 1,12	6	1	080580512
8058R/PS 2,0	7-8	1	080580520
8058R/PS 3,15	10	1	080580532
8058R/PS 5,3	13	1	080580553

8060R/PS

pin kit for hooks item 8060R



	Ø mm		
8060R/PS 1,12	6	1	080600511
8060R/PS 1,5	7	1	080600515
8060R/PS 2,0	8	1	080600520
8060R/PS 3,15	10	1	080600532
8060R/PS 5,3	13	1	080600553

8135/KLA1

operating lever kit
for lifting clamps 8135



8135 t		
0,75	1	081350605
1,00	1	081350610
2,00	1	081350615
3,00	1	081350620
5,00	1	081350625

Responsibility for repairs rests with repairer.

8135/KMO

spring kit for lifting clamps 8135



8135 t		
0,75	1	081350655
1,00	1	081350660
2,00	1	081350665
3,00	1	081350670
5,00	1	081350675

Responsibility for repairs rests with repairer.

8143/RKL

kit of upper and lower hook latches
for hand chain hoists 8143



8143 WLL t		
0,5	1	081430500
1,0	1	081430501
2,0	1	081430502
3,0	1	081430503
5,0	1	081430504

8143/RPC

kit of hook chain block pins
for hand chain hoists 8143



8143 WLL t		
0,5	1	081430510
1,0	1	081430511
2,0	1	081430512
3,0	1	081430513
5,0	1	081430514

8143/RPF

kit of stop pins
for hand chain blocks 8143



8143 WLL t		
0,5	1	081430520
1,0	1	081430521
2,0	1	081430522
3,0	1	081430523
5,0	1	081430524

8143/RKCI

kit of lower hook bodies
for hand chain hoists 8143



8143 WLL t		
0,5	1	081430560
1,0	1	081430561
2,0	1	081430562
3,0	1	081430563
5,0	1	081430564

8146/RK

safety locks, pins and stops
for hand LEVER hoists 8146C-8146



8146C WLL t		
0,25	1	081460902

8146/RKL

kit of upper and lower hook latches
for hand lever hoists 8146



8146 WLL t		
0,75	1	081460500
1,5	1	081460501
3,0	1	081460502
6,0	1	081460503

8146/RPC

kit of hook chain block pins
for hand lever hoists 8146



8146 WLL t		
0,75	1	081460510
1,5	1	081460511
3,0	1	081460512
6,0	1	081460513

8146/RKFC

kit of stops
for hand lever hoists 8146



8146 WLL t		
0,75	1	081460520
1,5	1	081460521
3,0	1	081460522
6,0	1	081460523



8146/RKCI

kit of lower hook bodies
for hand lever hoists 8146



8146 WLL t	
0,75	1 081460560
1,5	1 081460561
3,0	1 081460562
6,0	1 081460563

8148/RA

crosspiece for wire ropes of manual rope
winches 8148



8148 t	
0,8	1 081480900
1,6	1 081480901
3,2	1 081480902

8148/RKS

set of 3 overload shear pins
for manual rope winches 8148



8148 t	
0,8	1 081480903
1,6 - 3,2	1 081480904

8148/RKCM

set of 2 handle caps
for manual rope winches 8148



8148/RKCM	
1 081480905	

8148/RKCL

set of 2 lever caps
for manual rope winches 8148



8148/RKCL	
1 081480906	

8148/RP

anchor pins
for manual rope winches 8148



8148 t	
0,8	1 081480907
1,6	1 081480908
3,2	1 081480909

8148/RKG

set of 2 protective sheaths
for manual rope winches 8148



8148 t	
0,8	1 081480910
1,6	1 081480911
3,2	1 081480912



8149

lifting chains, high-tensile alloy steel

CE



EN 818-7

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
- CE Declaration of Conformity

Ø mm	WLL Kg	P mm	W min	
4	500	12	4,8	1 081490012
5	800	15	6,0	1 081490015
6	1100	18	7,2	1 081490018
6,3	1200	19	7,6	1 081490019
8	2000	24	9,6	1 081490024
10	3200	30	12	1 081490030

8149CM

hand chains for chain blocks 8143



Ø mm	B mm	t mm	
4,8	8,2	22,2	1 081490901

* CAUTION: Product is delivered in one length of chain, unless otherwise specified in order!

8149CM/RA

spare welded ring
hand chain for chain blocks 8143



L m	Ø mm	B mm	
3	4,8	8,2	1 081490903
6	4,8	8,2	1 081490906

*Welded closed ring. Please read manual carefully before replacing chain.



Unlike general-purpose steel (AISI 304), steel AISI 316 as selected by Beta provides high resistance to weathering as well as to saline corrosion and salt and organic acid corrosion. Stainless steel AISI 316 has a high content of:

- **Chromium** (it forms a surface film which protects the underlying material from oxidation)
- **Molybdenum** (it increases corrosion resistance of chlorides, e.g. sea water and defrosting products)
- **Nickel** (it allows the steel frame to be kept stable in time)

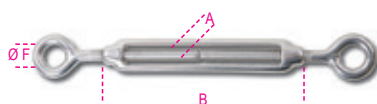
In addition, the low carbon content makes this steel more resistant to intergranular corrosion (a particular type of corrosion that can hardly be detected on the surface of the accessory and can trigger sudden breaks in corrosive environments).

Steel AISI 316 can boast some additional hallmarks: it is easy to clean, has an excellent hygienic coefficient, nonmagnetic properties, and good mechanical performance at low temperatures.

No doubt uniform, constant quality was, and still is, the main reliability factor of Robur's stainless steel products, as it ensures the same performance levels are achieved for all the production batches – yesterday as today and tomorrow.

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	8	082050206
M8	122	14	300	8	082050208
M10	150	16	470	4	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



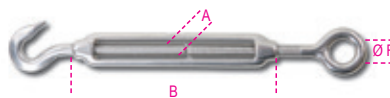
special packaging



A mm	B mm		
M4	62	5	1 082050704
M5	72	5	1 082050705
M6	92	4	1 082050706
M8	122	4	1 082050708
M10	150	2	1 082050710

8206

hook and eye turnbuckle
AISI 316



LABORATORY TESTS

- chemical analysis
- tensile test

AVAILABLE CERTIFICATES

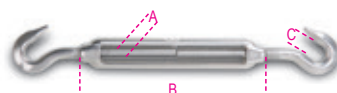
- Technical product specifications
- Test report UNI EN10204 type 2.2

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

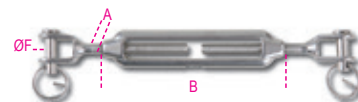
- Technical product specifications
- Test report UNI EN10204 type 2.2

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

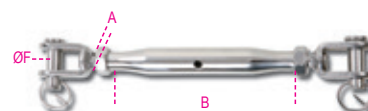
- Technical product specifications
- Test report UNI EN10204 type 2.2

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



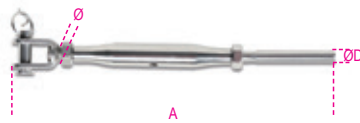
8210FTP

rigging screws with fixed jaw and press-fitting terminal

pipe turnbuckle bodies

AISI 316 stainless steel

Steel with Nickel, Chromium and Molybdenum for increased corrosion resistance.



LABORATORY TESTS

- chemical analysis
- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

Ø mm	A mm	ØD mm	WFL kg		
M5	159	2,70	150	2	082100605
M6	179	3,30	250	2	082100606
M8	216	4,30	350	1	082100608
M10	241	5,30	550	1	082100610
M12	300	6,30	1000	1	082100612
M14	345	7,30	1350	1	082100614
M16	383	8,30	1625	1	082100616
M20	484	10,50	2125	1	082100620

8201T

pipe bodies

AISI 316



LABORATORY TESTS

- chemical analysis
- tensile test

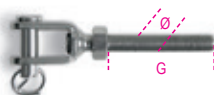
AVAILABLE CERTIFICATES

- 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

8210F

turnbuckle jaws,
stainless steel AISI 316



LABORATORY TESTS

- chemical analysis
- tensile test

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

Ø mm	Ø "	G mm	WFL kg		
M5	3/16	38,5	115	4	082100305
M6	1/4	49	160	4	082100306
M8	5/16	56	300	4	082100308
M10	3/8	61	470	2	082100310
M12	1/2	81	690	2	082100312
M14	9/16	93	940	2	082100314

left-handed thread

Ø mm	Ø "	G mm	WFL kg		
M5	3/16	38,5	115	4	082100405
M6	1/4	49	160	4	082100406
M8	5/16	56	300	4	082100408
M10	3/8	61	470	2	082100410
M12	1/2	81	690	2	082100412
M14	9/16	93	940	2	082100414

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		
8X120	6	1	082480008
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

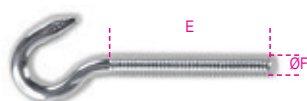
AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

A mm	WFL kg	D mm		
M5	100	50	10	082490205
M6	160	55	10	082490206
M8	300	60	5	082490208
M10	470	80	5	082490210
M12	690	120	2	082490212

8249G

fastening hooks
AISI 316



LABORATORY TESTS

- chemical analysis
- tensile test

AVAILABLE CERTIFICATES

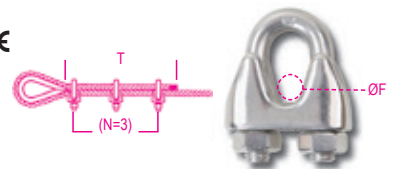
- Technical Product Specifications
- Test Report UNI EN10204 type 2.2

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	20	082160202
3	1/8	80	3	20	082160203
4	5/32	80	3	20	082160204
5	3/16	110	3	20	082160205
6	1/4	120	5	10	082160206
8	5/16	210	5	10	082160208
10	3/8	240	5	8	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

special packaging



ØF mm	"		
2	5/64	1	082160702
3	1/8	1	082160703
4	5/32	1	082160704
5	3/16	1	082160705
6	1/4	1	082160706
8	5/16	1	082160708
10	3/8	1	082160710

special free service boxes

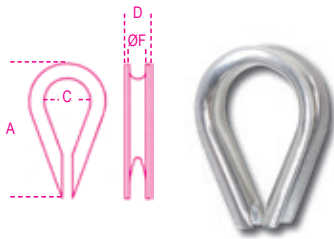


ØF mm			
2	4	1	082169402
3	4	1	082169403
4	4	1	082169404
5	2	1	082169405
6	2	1	082169406
8	2	1	082169408
10	2	1	082169410



8220

thimbles
AISI 316



LABORATORY TESTS

- chemical analysis

AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

ø F 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

ø D mm	"	A mm	WFL kg		
4	5/32	8	50	20	082250204
5	3/16	11	70	20	082250205
6	1/4	13	100	10	082250206
8	5/16	17	250	10	082250208
10	3/8	21	400	8	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

special packaging



ø D mm	"				
4	5/32	10	1	082250704	
5	3/16	10	1	082250705	
6	1/4	5	1	082250706	
8	5/16	5	1	082250708	
10	3/8	4	1	082250710	

8227

long dee shackles
AISI 316



LABORATORY TESTS

- chemical analysis

- tensile test

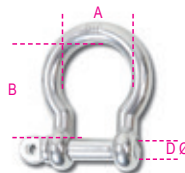
AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

ø D 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	2	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

ø D 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

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	WFL mm	WLL kg		
M6	1,0	120	4	082400406
* M8	1,25	200	4	082400408
* M10	1,5	400	4	082400410
* M12	1,75	600	4	082400412
* M14	2	1000	2	082400414
* M16	2	1200	2	082400416
* M20	2,5	2000	2	082400420
* M24	3	2700	2	082400424
* M30	3,5	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

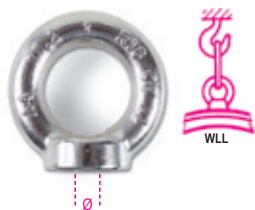
- Test report UNI EN10204 type 2.2

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	1,0	4 082420406
* M8	1,25	4 082420408
* M10	1,5	4 082420410
* M12	1,75	4 082420412
* M14	2	2 082420414
* M16	2	2 082420416
* M20	2,5	2 082420420
* M24	3	2 082420424
* M30	3,5	1 082420430

(*) WLL Ø M10÷M24

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

8242

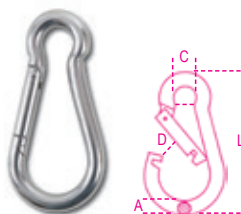
eye nuts
stainless steel AISI 316



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

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

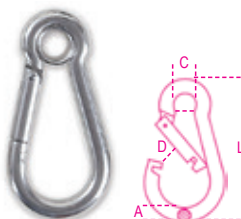
special packaging



Ø A x L mm	Ø C mm	D mm	WFL kg	
4,5x40	6,5	10	1	082740704
5x50	7	10	1	082740705
6x60	8,5	5	1	082740706
7x70	10	5	1	082740707
8x80	12	5	1	082740708
9x90	12,5	5	1	082740709
10x100	15	4	1	082740710

8274A

ring carabine hooks
AISI 316



LABORATORY TESTS

- chemical analysis

- tensile test

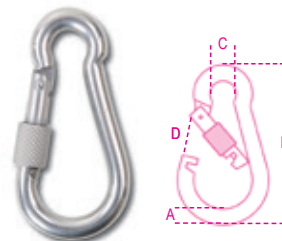
AVAILABLE CERTIFICATES

- 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

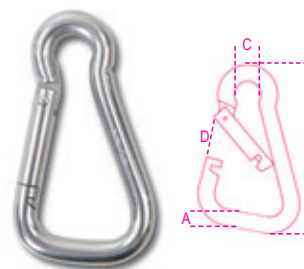
AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

Ø A x L mm	Ø C mm	D mm	WFL 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

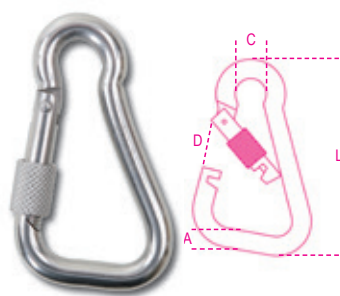
Ø A x L mm	Ø C mm	D mm	WFL kg	
6x60	8,5	10	40	5 082760206
8x80	12	14	75	5 082760208
10x100	15	18	120	3 082760210

Robur

Robur

8276G

asymmetric carabine hooks with screw nut
AISI 316



LABORATORY TESTS

- chemical analysis
- tensile test

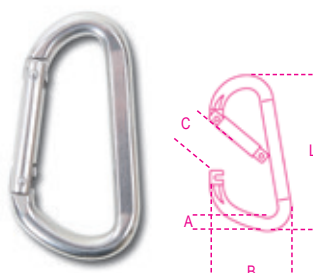
AVAILABLE CERTIFICATES

- Technical product specifications
- Test report UNI EN10204 type 2.2

ø A x L mm	ø C mm	D mm	WFL 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

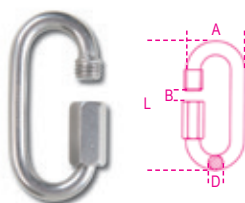
- Technical product specifications
- Test report UNI EN10204 type 2.2

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

Robur

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 mm	A mm	B mm	WFL 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	2	082800208
10x90	40	12	220	2	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 mm	A mm	ø B mm	WFL kg		
50	25	8	40	5	082500205
70	31	12,5	90	5	082500207
100	47	20	190	2	082500210

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 mm	L mm	C mm	WFL kg		
12	88	12	60	5	082640212
16	90	12	60	5	082640216
19	93	12	60	2	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

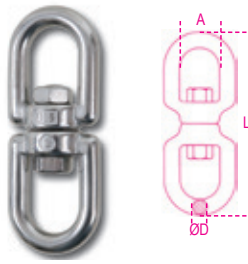
A mm	L mm	B mm	WFL kg		
10	87	21	30	5	082670210
12	118	22	70	2	082670213

Robur

Robur

8272

eye and eye swivels
AISI 316



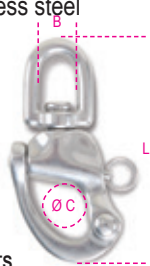
LABORATORY TESTS

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

Ø D mm	A mm	L mm	WFL 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



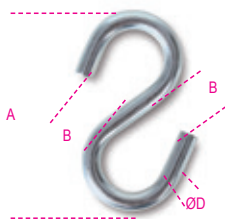
LABORATORY TESTS

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

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

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 mm	B mm	A mm	WFL 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



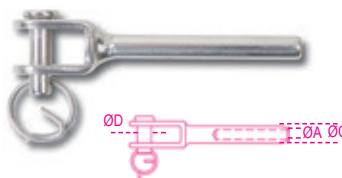
LABORATORY TESTS

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

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

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	8	200	3 082850204
5	9	10	330	2 082850205
6	12,5	12	720	2 082850206
7	12,5	12	850	2 082850207
8	15,5	16	1120	2 082850208
10	18	16	1300	2 082850210
12	20	19	2400	2 082850212

8286

eye terminals
AISI 316



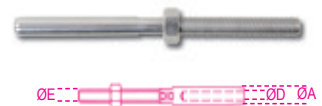
LABORATORY TESTS

- 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	9	330	2 082860205
6	12,5	12,6	720	2 082860206
7	12,5	14,2	850	2 082860207
8	14,5	16	1120	2 082860208
10	16,4	18	1300	2 082860210
12	19,3	20	2400	2 082860212

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	6,2	M6	180	5 082870203
4	7,5	M8	200	3 082870204
5	8,7	M10	330	2 082870205
6	12,6	M12	720	2 082870206
7	12,6	M14	850	2 082870207
8	16	M16	1120	2 082870208
10	18	M16	1300	2 082870210
12	20	M20	2400	2 082870212

8290

pad eyes
AISI 316



LABORATORY TESTS

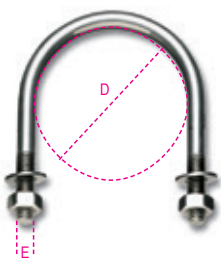
- chemical analysis
- AVAILABLE CERTIFICATES
- Technical product specifications
 - Test report UNI EN10204 type 2.2

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
for static connections,
AISI 304 stainless steel



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
8	27	400	15	1	082790080
10	30	1000	10	1	082790400

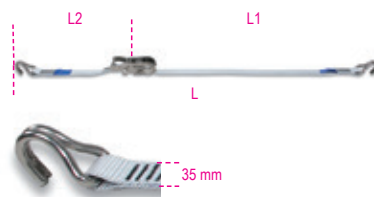
Caution: product NOT designed for lifting purposes



8293

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

hangable



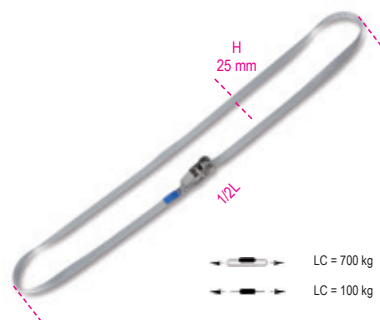
L m	L2 mm	L1 mm	STF daN		
6	5700	300	100	1	082930106

LC = 300 kg

8297C

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

hangable



LC = 700 kg

LC = 100 kg

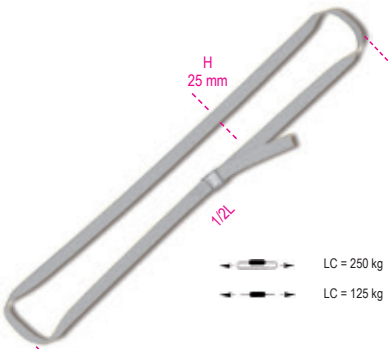
L m	H mm		
5	25	1	082970350

LC = 700 kg

8297F

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

hangable



LC = 250 kg

LC = 125 kg

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

				$\beta = 0^\circ + 45^\circ$ 	$\beta = 45^\circ + 60^\circ$ 
	1t	0,8t	2t	1,4t	1t
	2t	1,6t	4t	2,8t	2t
	3t	2,4t	6t	4,2t	3t
	4t	3,2t	8t	5,6t	4t
	5t	4t	10t	7t	5t
	6t	4,8t	12t	8,4t	6t
	8t	6,4t	16t	11,2t	8t
	10t	8t	20t	14t	10t
	12t	9,6t	24t	16,8t	12t
	15t	12t	30t	21t	15t
	20t	16t	40t	28t	20t
	25t	20t	50t	35t	25t
	30t	24t	60t	42t	30t
	40t	32t	80t	56t	40t
	50t	40t	100t	70t	50t

8150

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

CE



UNI EN 1492-1

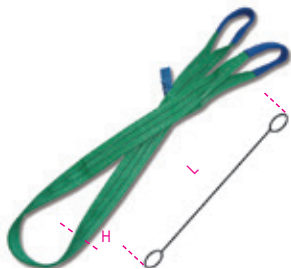
L m	H mm	WLL ton		
0,5	30	1	1	081500005
1	30	1	1	081500010
1,5	30	1	1	081500015
2	30	1	1	081500020
2,5	30	1	1	081500025
3	30	1	1	081500030
3,5	30	1	1	081500035
4	30	1	1	081500040
5	30	1	1	081500050
6	30	1	1	081500060
8	30	1	1	081500080



8153

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

CE



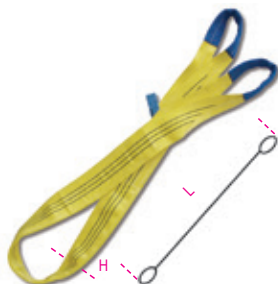
UNI EN 1492-1

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
3,5	60	2	1 081530035
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
3,5	90	3	1 081560035
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



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

8160

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

CE



UNI EN 1492-1

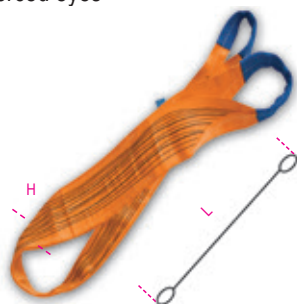
L m	H mm	WLL ton	
3	240	8	1 081600030
4	240	8	1 081600040
5	240	8	1 081600050
6	240	8	1 081600060
8	240	8	1 081600080
10	240	8	1 081600100



8161

lifting web slings, orange,
10t two-layer flat sling,
20t four-layer flat sling,
reinforced eyes

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
3	300	20	1 081612030
4	300	20	1 081612040
5	300	20	1 081612050
6	300	20	1 081612060
8	300	20	1 081612080
10	300	20	1 081612100
12	300	20	1 081612120

8170

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

CE



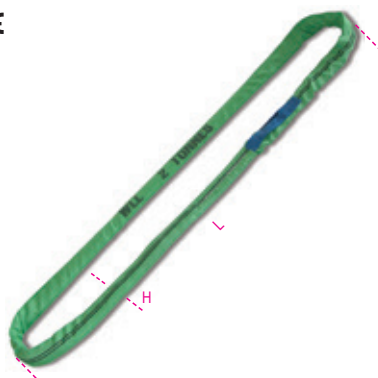
UNI EN 1492-2

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
2,5	1	45	1 081700050
3	1	45	1 081700060
4	1	45	1 081700080
5	1	45	1 081700100

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	
0,5	60	3	1 081760010
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

8177

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

CE



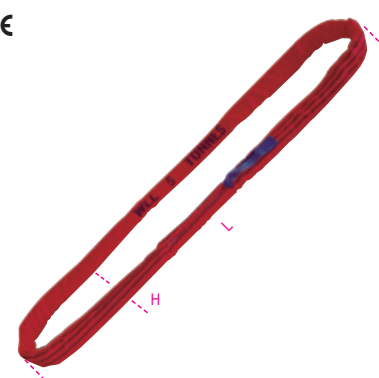
UNI EN 1492-2

L m	H mm	WLL ton	
0,5	65	4	1 081770010
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

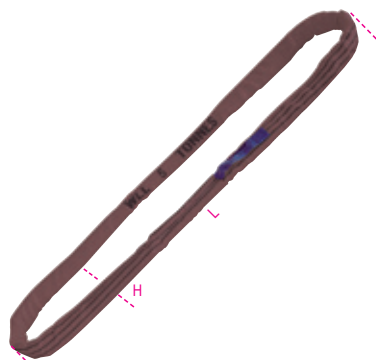
L m	H mm	WLL ton	
0,5	70	5	1 081780010
1	70	5	1 081780020
1,5	70	5	1 081780030
2	70	5	1 081780040
2,5	70	5	1 081780050
3	70	5	1 081780060
4	70	5	1 081780080
5	70	5	1 081780100
6	70	5	1 081780120
8	70	5	1 081780160



8179M

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

CE



UNI EN 1492-2

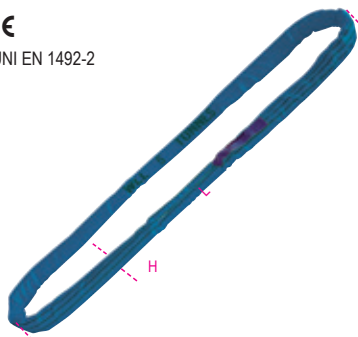
L m	H mm	WLL ton	
1	80	6	1 081790020
1,5	80	6	1 081790030
2	80	6	1 081790040
2,5	80	6	1 081790050
3	80	6	1 081790060
4	80	6	1 081790080
5	80	6	1 081790100
6	80	6	1 081790120
8	80	6	1 081790160

8179B

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

CE

UNI EN 1492-2



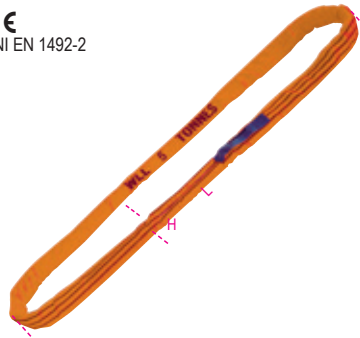
L m	H mm	WLL ton	
1	85	8	1 081790220
1,5	85	8	1 081790230
2	85	8	1 081790240
2,5	85	8	1 081790250
3	85	8	1 081790260
4	85	8	1 081790280
5	85	8	1 081790300
6	85	8	1 081790320
8	85	8	1 081790360

8179A

lifting round slings, orange, 10t÷50t,
high-tenacity polyester (PES) belt

CE

UNI EN 1492-2



L m	H mm	WLL ton	
1	95	10	1 081790502
1,5	95	10	1 081790503
2	95	10	1 081790504
2,5	95	10	1 081790505
3	95	10	1 081790506
4	95	10	1 081790508
5	95	10	1 081790510
6	95	10	1 081790512
8	95	10	1 081790516
10	95	10	1 081790520
12	95	10	1 081790524
2	100	12	1 081791204
2,5	100	12	1 081791205
3	100	12	1 081791206
3,5	100	12	1 081791207
4	100	12	1 081791208
4,5	100	12	1 081791209
5	100	12	1 081791210
5,5	100	12	1 081791211
6	100	12	1 081791212
6,5	100	12	1 081791213
7	100	12	1 081791214
7,5	100	12	1 081791215
8	100	12	1 081791216
8,5	100	12	1 081791217
9	100	12	1 081791218
9,5	100	12	1 081791219
10	100	12	1 081791220
2	110	15	1 081791504
2,5	110	15	1 081791505
3	110	15	1 081791506
3,5	110	15	1 081791507
4	110	15	1 081791508
4,5	110	15	1 081791509
5	110	15	1 081791510
5,5	110	15	1 081791511
6	110	15	1 081791512
6,5	110	15	1 081791513
7	110	15	1 081791514
7,5	110	15	1 081791515
8	110	15	1 081791516
8,5	110	15	1 081791517
9	110	15	1 081791518
9,5	110	15	1 081791519
10	110	15	1 081791520
2	130	20	1 081792004
2,5	130	20	1 081792005
3	130	20	1 081792006
3,5	130	20	1 081792007
4	130	20	1 081792008
4,5	130	20	1 081792009
5	130	20	1 081792010
5,5	130	20	1 081792011
6	130	20	1 081792012
6,5	130	20	1 081792013
7	130	20	1 081792014
7,5	130	20	1 081792015
8	130	20	1 081792016
8,5	130	20	1 081792017
9	130	20	1 081792018
9,5	130	20	1 081792019
10	130	20	1 081792020

2	135	25	1 081792504
2,5	135	25	1 081792505
3	135	25	1 081792506
3,5	135	25	1 081792507
4	135	25	1 081792508
4,5	135	25	1 081792509
5	135	25	1 081792510
5,5	135	25	1 081792511
6	135	25	1 081792512
6,5	135	25	1 081792513
7	135	25	1 081792514
7,5	135	25	1 081792515
8	135	25	1 081792516
8,5	135	25	1 081792517
9	135	25	1 081792518
9,5	135	25	1 081792519
10	135	25	1 081792520
2	160	30	1 081793004
2,5	160	30	1 081793005
3	160	30	1 081793006
3,5	160	30	1 081793007
4	160	30	1 081793008
4,5	160	30	1 081793009
5	160	30	1 081793010
5,5	160	30	1 081793011
6	160	30	1 081793012
6,5	160	30	1 081793013
7	160	30	1 081793014
7,5	160	30	1 081793015
8	160	30	1 081793016
8,5	160	30	1 081793017
9	160	30	1 081793018
9,5	160	30	1 081793019
10	160	30	1 081793020
2	165	40	1 081794004
2,5	165	40	1 081794005
3	165	40	1 081794006
3,5	165	40	1 081794007
4	165	40	1 081794008
4,5	165	40	1 081794009
5	165	40	1 081794010
5,5	165	40	1 081794011
6	165	40	1 081794012
6,5	165	40	1 081794013
7	165	40	1 081794014
7,5	165	40	1 081794015
8	165	40	1 081794016
8,5	165	40	1 081794017
9	165	40	1 081794018
9,5	165	40	1 081794019
10	165	40	1 081794020
3	180	50	1 081795006
3,5	180	50	1 081795007
4	180	50	1 081795008
4,5	180	50	1 081795009
5	180	50	1 081795010
5,5	180	50	1 081795011
6	180	50	1 081795012
6,5	180	50	1 081795013
7	180	50	1 081795014
7,5	180	50	1 081795015
8	180	50	1 081795016
8,5	180	50	1 081795017
9	180	50	1 081795018
9,5	180	50	1 081795019
10	180	50	1 081795020

 Robur

 Robur

8166

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



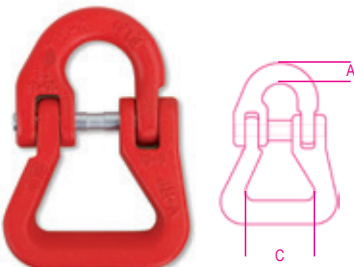
H mm	ø mm	L m	
70	45	3	1 081660073
80	52	3	1 081660083
110	70	3	1 081660103
155	100	3	1 081660153
170	110	3	1 081660170
235	150	4	1 081660235

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

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

RATCHET TIE DOWNS

TECHNICAL DATA

- safety factor: 2
- traceability code

LABORATORY TESTS

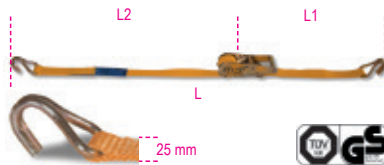
- ratchet pretensioning test
- metal parts deformation test
- complete system tensile test

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



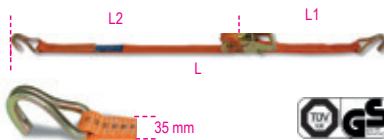
EN 12195-2

L m	L2 mm	L1 mm	STF daN	
4	3750	250	200	1 081800004
6	5750	250	200	1 081800006
8	7750	250	200	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	STF daN	
4	3600	400	180	1 081810004
6	5600	400	180	1 081810006
8	7600	400	180	1 081810008

LC = 1000 kg

81816/S4

kit of 4 tie downs, LC 1000 kg, with waterproof polyester rucksack

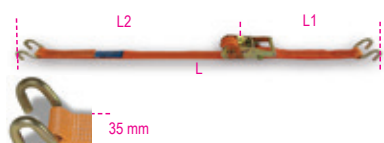


EN 12195-2

L mm	L1 mm	L2 mm	STF daN	
6	400	5600	180	1 081810906

8181S

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



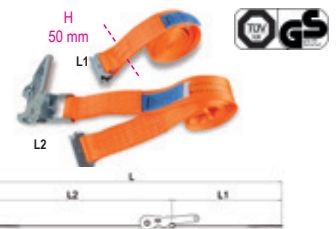
EN 12195-2

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

LC = 1000 kg

8182E

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



EN 12195-2

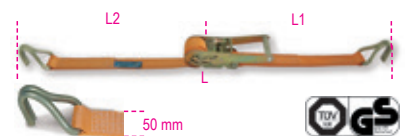
L m	L2 mm	L1 mm	STF daN	
4	3500	500	220	1 081820440

LC = 1000 kg

	L2 mm	L1 mm	
8182EL long part	2500		1 081820942
8182EC short part with ratchet		1500	1 081820945

8182T

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



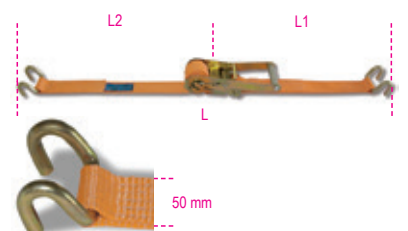
EN 12195-2

L m	L2 mm	L1 mm	STF daN	
8,5	8100	400	300	1 081821085
10,5	10100	400	300	1 081821105

LC = 1500 kg

8182TS

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



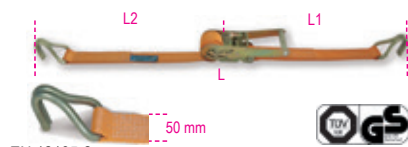
EN 12195-2

L m	L2 mm	L1 mm	STF daN	
8,5	8100	400	300	1 081821285
10,5	10100	400	300	1 081821305

LC = 1500 kg

8182

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



EN 12195-2

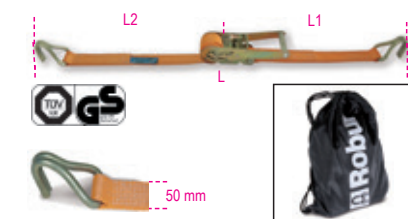
L m	L2 mm	L1 mm	STF daN	
4,5	4100	400	300	1 081820045
6,5	6100	400	300	1 081820065
8,5	8100	400	300	1 081820085
10,5	10100	400	300	1 081820105
14,5	14100	400	300	1 081820145
16,5	16100	400	300	1 081820165

LC = 2000 kg

	L2 mm	L1 mm	
8182LP Long part	8100		1 081820902
8182SP short part with ratchet		400	1 081820905

8182 8,5/S2

kit of 2 tie downs, LC 2000 kg,
with waterproof polyester rucksack

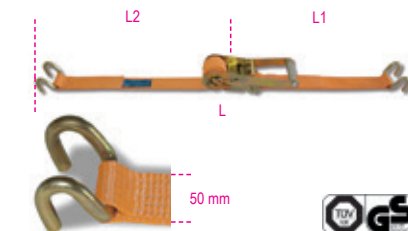


EN 12195-2

L mm	L1 mm	L2 mm	STF daN	
8,5	400	8100	300	1 081821985

8182S

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



EN 12195-2

L m	L1 mm	L2 mm	STF daN	
6,5	400	6100	300	1 081820265
8,5	400	8100	300	1 081820285
10,5	400	10100	300	1 081820305

LC = 2000 kg

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

8182GD

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



EN 12195-2

L m	L2 mm	L1 mm	STF daN	
8,5	8100	400	300	1 081820485

LC = 2000 kg

8182A

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



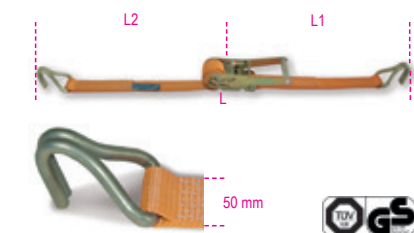
EN 12195-2

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

LC = 2000 kg

8182H

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



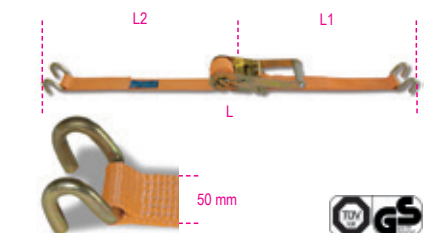
EN 12195-2

L m	L2 mm	L1 mm	STF daN	
6,5	6100	400	300	1 081820406
8,5	8100	400	300	1 081820408
10,5	10100	400	300	1 081820410
14,5	14100	400	300	1 081820414

LC = 2500 kg

8182H/2

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



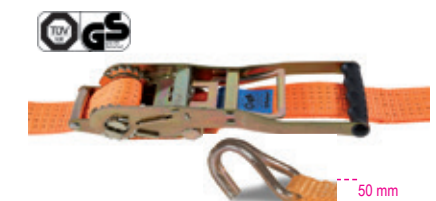
EN 12195-2

L m	L1 mm	L2 mm	STF daN	
8,5	8100	400	300	1 081820385

LC = 2500 kg

8184

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



EN 12195-2

L m	L2 mm	L1 mm	STF daN	
6,5	6100	400	500	1 081840065
8,5	8100	400	500	1 081840085
10,5	10100	400	500	1 081840105

LC = 2500 kg

8183

ratchet tie down with single hook, LC 5000 kg,
high-tenacity polyester (PES) belt



EN 12195-2

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

LC = 5000 kg



8190

ratchet load binder with 2 hooks
Grade 8



EN12195/3

TECHNICAL DATA

- Safety factor: 2
- Heat treatment: hardening and tempering
- Traceability code

AVAILABLE CERTIFICATES

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

Ø mm	LC daN	Ø mm	LC daN		
10	6300	8	4000	1	081900010
13	10000	-	-	1	081900013

* CAUTION: The product can be used with an 8-mm chain, provided WLL is reduced (LC 4000 daN)

8190B

lashing chains



EN12195/3

TECHNICAL DATA

- Safety factor: 2
- Heat treatment: hardening tempering
- Chain-sling identification tag

ATTACHED CERTIFICATES

AVAILABLE CERTIFICATES

- Manufacturer's Certificate
- Technical product specifications
- Test report UNI EN 10204 type 2.2

Ø mm	LC daN	L m	L1 m		
8	4000	3,5	3,30	1	081901308
10	6300	3,5	3,28	1	081901310
13	10000	3,5	3,23	1	081901313

Robur

Robur

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		
1,5	72	3	081880315
2,5	72	3	081880325
5	72	3	081880350

8188CG/25

ratchet tie downs with S-hooks and Eyes,
LC 400 kg
high-tenacity polyester (PES) strap



EN 12195-2

L m	L1 mm	L2 mm	STF daN		
3	480	170	120	1	081880430
5	480	170	120	1	081880450

8188CU/25

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

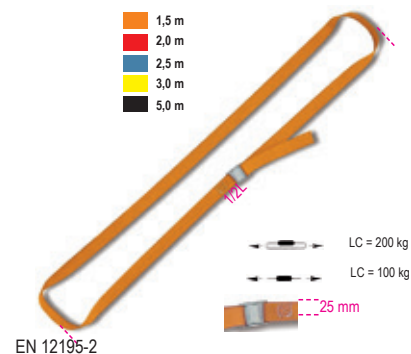


EN 12195-2

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

8188F35

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



EN 12195-2

L m	
5	1 081880295

8188FG2

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

8188/K8

tie down kit
with 8 accessories



8188/K8	1 081880801
---------	-------------

8488K	0,65m - 7kg
8488K	0,80m - 7kg
8188CL	4m - 500kg
8188FP	2,5m - 250kg

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

8189A

non-slip mat
for fixing loads



L m	H mm	S mm	μ	
5	250	8	0,6	1 081890525

8189PA

2 angular guards
for polyester belts



L1xL2 mm	H1 mm	H2 mm	
135x90	60	18	1 081890090

 **Robur**

C88 R/1

Robur wall display, empty

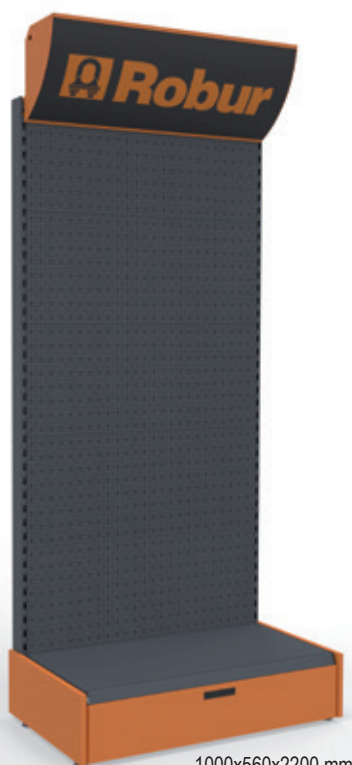


1000x560x2200 mm

C88R/1 1 m 1 088000001

C88NR/1

Robur wall display, empty



1000x560x2200 mm

C88NR/1 1 m 1 088000031

C88VE

display tray for display walls C88 R/1

suitable for housing coils of chains item 8120



C88VE 1 088000120

C88SE

display tray for Genovese chain reels



C88SE 1 088000130

1700x600x600 mm



8600 R/11

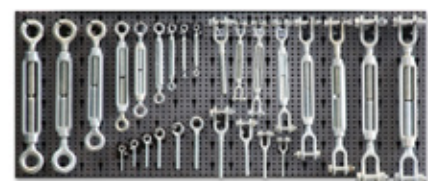
assortment of 374 wire rope accessories, with hooks without panel



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 086000113

8600 R/114

assortment of 1045 wire rope accessories,
with hooks without panel



8600 R/114

1 086000114

8600 R/225

assortment of 64 GRADE 8 accessories,
with hooks without panel



8600 R/225

1 086000225

8600 R/412

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

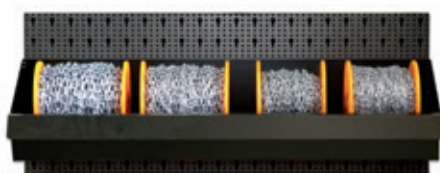


8600 R/412

1 086000412

8600 R/511

assortment of 11 Genovese chain reels,
with display tray



8600 R/511

1 086000511

8600 R/601

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



8600 R/601
C88/R601

1 086000601
1 088000160

8600 R/611

assortment of 52 webslings
with grids, without panel



8600 R/611
C88/R611

1 086000611
1 088000161

 **Robur**

 **Robur**

8129/SE10

Floor display stand, made of durable material with 10 coils of Genoese chain



1700x600x600 mm

	Ø	nr	L m	
1st level	3,4	18	60	1
	4,4	20	40	1
2nd level	3,0	17	75	1
	4,8	21	30	1
3rd level	2,7	16	75	1
	5,5	22	25	1
4th level	2,2	14	75	1
	6,5	24	25	1
5th level	1,6	12	150	1
	7,5	26	20	1

8129/SE10 1 081290910

8198/F46

Floor display stand, with 46 polyester webslings

UNI EN 1492-1

CE



580x1450x270 mm

	WLL t	L m	
8150	1	1 m	6
	1	1,5 m	4
	1	2 m	6
	1	3 m	4
	1	4 m	2
8153	2	1 m	2
	2	2 m	6
	2	3 m	4
	2	4 m	4
8156	3	2 m	2
	3	3 m	2
	3	4 m	2
	3	6 m	2

8198/F46 1 081980120

8198/E36

Floor display, polypropylene with 36 medium and heavy duty ratchet tie downs

UNI EN 1492-1



440x300x1380 mm

	mm	L m	
8180	25	4	10
8181	35	6	12
8182	50	8,5	14

8198/E36 1 081980008

8198/CC20

Assortment with 20 webslings

UNI EN 1492-1



	WLL t	L	
8150	1	2 m	2
	1	4 m	2
8153	2	2 m	4
	2	3 m	4
8156	3	3 m	2
	3	4 m	2
	3	6 m	2

8198/CC20 1 081980023

818...K

Countertop display packs with medium and heavy duty ratchet tie downs

EN 12195-2



DOUBLE J-HOOKS



DOUBLE U-HOOKS



		Contents	mm	LC Kg	L m	Terminal type		
8180K4/MT4		8180	25	750	4	DOUBLE J-HOOKS	4	081800704
25x20x18 cm	3kg							
8180K4/MT6		8180	25	750	6	DOUBLE J-HOOKS	4	081800706
25x20x18 cm	3,5kg							
8181K4/MT4		8181	35	1000	4	DOUBLE J-HOOKS	4	081810704
28x13x20 cm	4kg							
8181K4/MT6		8181	35	1000	6	DOUBLE J-HOOKS	4	081810706
28x24x23 cm	4,5kg							
8182K4/MT8,5		8182	50	2000	8,5	DOUBLE J-HOOKS	4	081820785
38x33x28 cm	9,8kg							
8182/K2-MT10,5		8182	50	2000	10,5	DOUBLE J-HOOKS	2	081820790
28x13x26 cm	5,5kg							
8182H/K2-MT8,5		8182H	50	2500	8,5	DOUBLE J-HOOKS	2	081820685
28x13x26 cm	5kg							
8182SK4/MT8,5		8182S	50	2000	8,5	DOUBLE U-HOOKS	4	081820985
38x33x28 cm	10kg							

8188C...

Countertop display packs with mini-ratchet tie downs

EN 12195-2



		Contents	mm	LC kg	L m	Terminal type		
8188C/E10		8188C	25	800	5		10	081880950
16,5x13,5x20 cm								
8188CG/E10		8188CG	25	400	5		10	081880951
20x15x22 cm								
8188CU/E10		8188CU	25	400	5		10	081880952
16,5x13,5x20 cm								

Robur

8188F/E21

Countertop display packs with
21 endless 25mm cam buckles



210x220x110 mm

	m	LC kg		
8188F	5	200 kg	21	
8188F/E21			1	081880921

8188/E29

Countertop display packs with
29 endless mini-ratchet tie downs and cam
buckles



210x220x110 mm

	L	LC		
8188F	1,5 m	200 kg		10
8188F	2,5 m	200 kg		10
8188F	5,0 m	200 kg		6
8188C	5,0 m	750 kg		3
8188/E29			1	081880929



8188F35/E5

Countertop display packs
With 5 endless cam buckles 35mm



160x250x125 mm

	m	LC kg		
8188F35	5	200 kg	5	
8188F35/E5			1	081881905

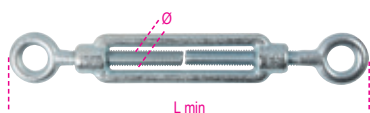


Sigma

- 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 request

8505

eye and eye turnbuckles,
galvanized



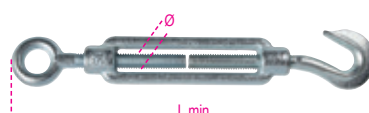
turnbuckle body DIN 1480

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



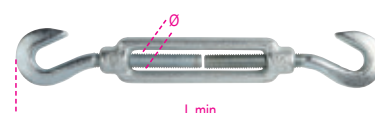
turnbuckle body DIN 1480

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



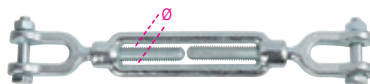
turnbuckle body DIN 1480

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



turnbuckle body DIN 1480

Ø mm	Ø "	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

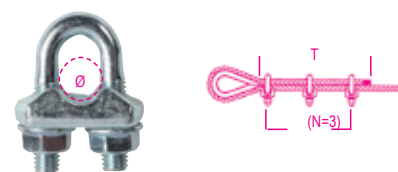
wire rope clips,
hot forged steel body, galvanized



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



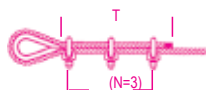
Ø mm	Ø "	N x T	Nm		
6	1/4	6X250	3,8	200	085170066
8	5/16	6X265	3,8	150	085170068
10	3/8	6X290	9,2	70	085170070

Sigma

Sigma

8516

wire rope clips,
cast iron body, galvanized

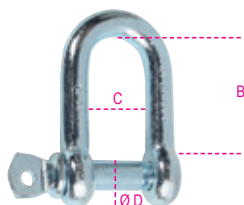


Ø mm	Ø "	N x T	Nm		
3	1/8	4x100	0,8	100	085160003
5	3/16	4x110	1,9	100	085160005
6	1/4	5x150	2	100	085160006
8	5/16	6x210	2,2	50	085160008
10	3/8	6x270	9,2	50	085160010
11	7/16	6x285	9,2	50	085160011
12-13	1/2	7x405	19	25	085160013
14	9/16	7x405	19	25	085160014
16	5/8	7x455	32	20	085160016
19-20	3/4	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

Dimensional measurements type DIN 741

8524

straight shackles,
galvanized



Ø D mm	Ø "	WFL kg	BxC 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

Attention: specially designed shackles, available in ROBUR range, are prescribed for lifting operations.

8582

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



L2mm	L1mm	Lmm	STFdaN		
8100	400	8500	300	1	085820085

8582S

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

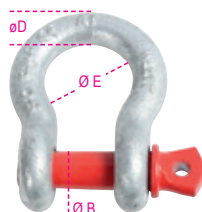


L2mm	L1mm	Lmm	STFdaN		
8100	400	8500	300	1	085820285

8529ZC

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

CE

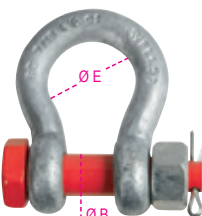


Ø B mm	Ø D mm	Ø E mm	WLL kg		
10,5	8	21	750	30	085290108
13	10	26	1000	20	085290110
15	11	29	1500	20	085290111
17	12	31	2000	10	085290112
21	16	43	3250	10	085290116
23	20	50	4750	10	085290120
28	22	58	6500	5	085290122
32	24	67	8500	5	085290124
35	28	75	9500	1	085290128
38	32	85	12000	1	085290132
41	35	93	13500	1	085290135
44	38	100	17000	1	085290138
55	45	134	25000	1	085290145

8530ZC

bow shackles
with cotter pin bolt
hot-dipped galvanized body

CE

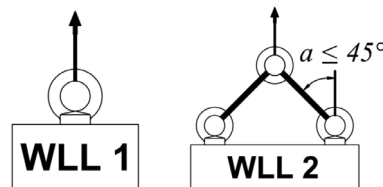


Ø B mm	Ø D mm	Ø E mm	WLL kg		
14	11	29	1500	20	085300111
16	12	31	2000	10	085300112
20	16	43	3250	10	085300116
22	20	50	4750	10	085300120
27	22	58	6500	5	085300122
28	24	67	8500	5	085300124
33	28	75	9500	1	085300128
36	32	85	12000	1	085300132
39	35	93	13500	1	085300135
42	38	100	17000	1	085300138
52	45	134	25000	1	085300145

8540Z

eye bolts,
galvanized

CE

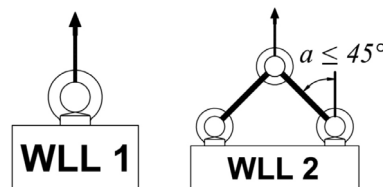


Ø mm	WLL1 kg	WLL2 kg		
M6	1	75	250	085400406
M8	1,25	140	200	085400408
M10	1,5	230	150	085400410
M12	1,75	340	100	085400412
M14	2	480	70	085400414
M16	2	700	70	085400416
M18	2,5	930	40	085400418
M20	2,5	1200	40	085400420
M22	2,5	1450	30	085400422
M24	3	1800	20	085400424
M27	3	2400	15	085400427
M30	3,5	3200	12	085400430

8542Z

eye nuts,
galvanized

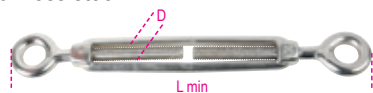
CE



Ø mm	WLL1 kg	WLL2 kg		
M6	1	75	250	085420406
M8	1,25	140	200	085420408
M10	1,5	230	150	085420410
M12	1,75	340	100	085420412
M14	2	480	70	085420414
M16	2	700	70	085420416
M18	2,5	930	40	085420418
M20	2,5	1200	40	085420420
M22	2,5	1450	30	085420422
M24	3	1800	20	085420424
M27	3	2400	15	085420427
M30	3,5	3200	12	085420430

8405

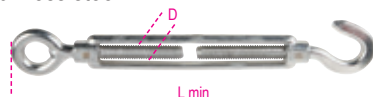
eye and eye turnbuckle
stainless steel



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	25	30 084060205
6	45	10 084060206
8	95	10 084060208
10	140	5 084060210
12	250	5 084060212
14	350	5 084060214
16	570	5 084060216
20	875	2 084060220

8410

jaw and jaw pipe turnbuckle
stainless steel



D mm	WFL kg	
M5	60	10 084100205
M6	80	10 084100206
M8	150	5 084100208
M10	230	5 084100210
M12	450	5 084100212
M14	500	2 084100214
M16	1080	2 084100216
M20	2130	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	5/64	30 084160202
3	1/8	30 084160203
4	5/32	30 084160204
5	3/16	25 084160205
6	1/4	25 084160206
8	5/16	15 084160208
10	3/8	15 084160210
13	1/2	15 084160213
16	5/8	10 084160216
20	3/4	10 084160220

8420

thimbles
stainless steel



Ø F mm	A mm	
2	18,5	30 084200202
3	22,7	30 084200203
4	24,7	30 084200204
5	29,0	30 084200205
6	35,0	30 084200206
8	42,0	15 084200208
10	57,0	15 084200210
12	61,0	15 084200212
14	75,0	15 084200214
16	78,0	15 084200216
20	105,0	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

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

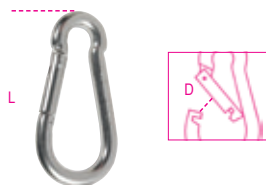
eye nuts
stainless steel



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

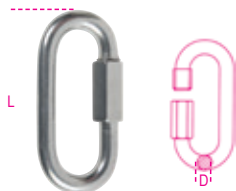
carabine hooks
stainless steel



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

Art	mm	n.
8405	5	10
	6	10
	8	5
8416	3	30
	4	30
	5	25
8420	6	25
	3	30
	4	30
8425	5	15
	6	15
	4	30
8449	5	30
	6	15
	8	10
8474	5x50	30
	6x60	15
	8x80	15

345x280x230 mm

REQUEST CERTIFICATES IN FEW CLICKS ONLY

www.beta-tools.com



lotto. Tutti i campi sono obbligatori per permettere al nostro sistema di individuare univocamente la documentazione. Il tipo di certificato può variare a seconda del prodotto.

Nome *
Paolo

Cognome *
Rossi

Società
Utensileria XXX

E-Mail *
Paolo.Rossi@...

Telefono *
123456789

Riferenza *
080400412

Codice lotto *
A...

Lingua certificato
Italiano / Inglese

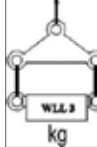
Lingua del certificato.

☒ Ho preso visione della [privacy policy](#) e autorizzo il trattamento secondo l'articolo 18 *

invia richiesta

CAPACITY CHARTS

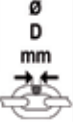
8041-8043 WLL (Kg)

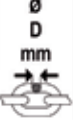
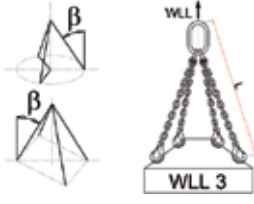
				
	kg	kg	kg	kg
M6	400	400	400	280
M8	800	800	800	560
M10	1000	1000	1000	700
M12	1600	1600	1600	1120
M14	3000	3000	3000	2100
M16	4000	4000	4000	2800
M18	5000	5000	5000	3500
M20	6000	6000	6000	4200
M22	7000	7000	7000	4900
M24	8000	8000	8000	5600
M27	10000	10000	10000	7000
M30	12000	12000	12000	8400

8049V WLL (Kg)

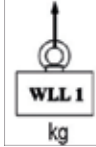
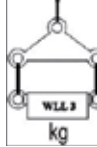
	β (°)	M8	M10	M12	M16	M20	M24
	0°	300	630	1000	1500	2500	4000
	0°	600	1260	2000	3000	5000	8000
	90°	300	630	1000	1500	2500	4000
	90°	600	1260	2000	3000	5000	8000
	0-45°	420	882	1400	2100	3500	5600
	45-60°	300	630	1000	1500	2500	4000
	0-45°	630	1323	2100	3150	5250	8400
	45-60°	450	945	1500	2250	3750	6000

8091 - 8098SL WLL Ton UNI EN 818

			
		0° < β ≤ 45°	45° < β ≤ 60°
6	1,12	1,6	1,12
7	1,5	2,12	1,5
8	2	2,8	2
10	3,15	4,25	3,15
13	5,3	7,5	5,3
16	8	11,2	8
20	12,5	17	12,5

		
	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
20	26,5	19

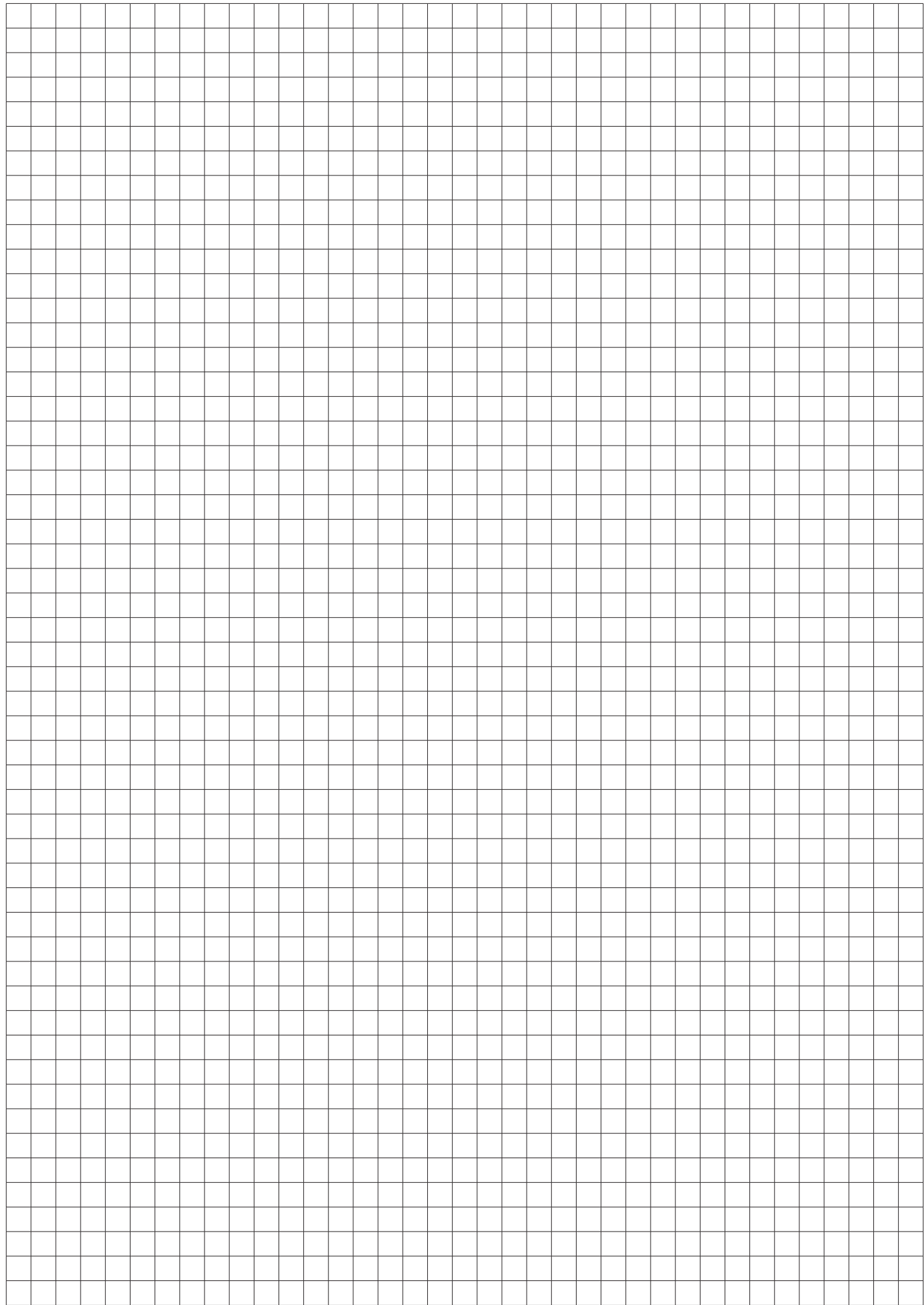
DIN 580 / 582

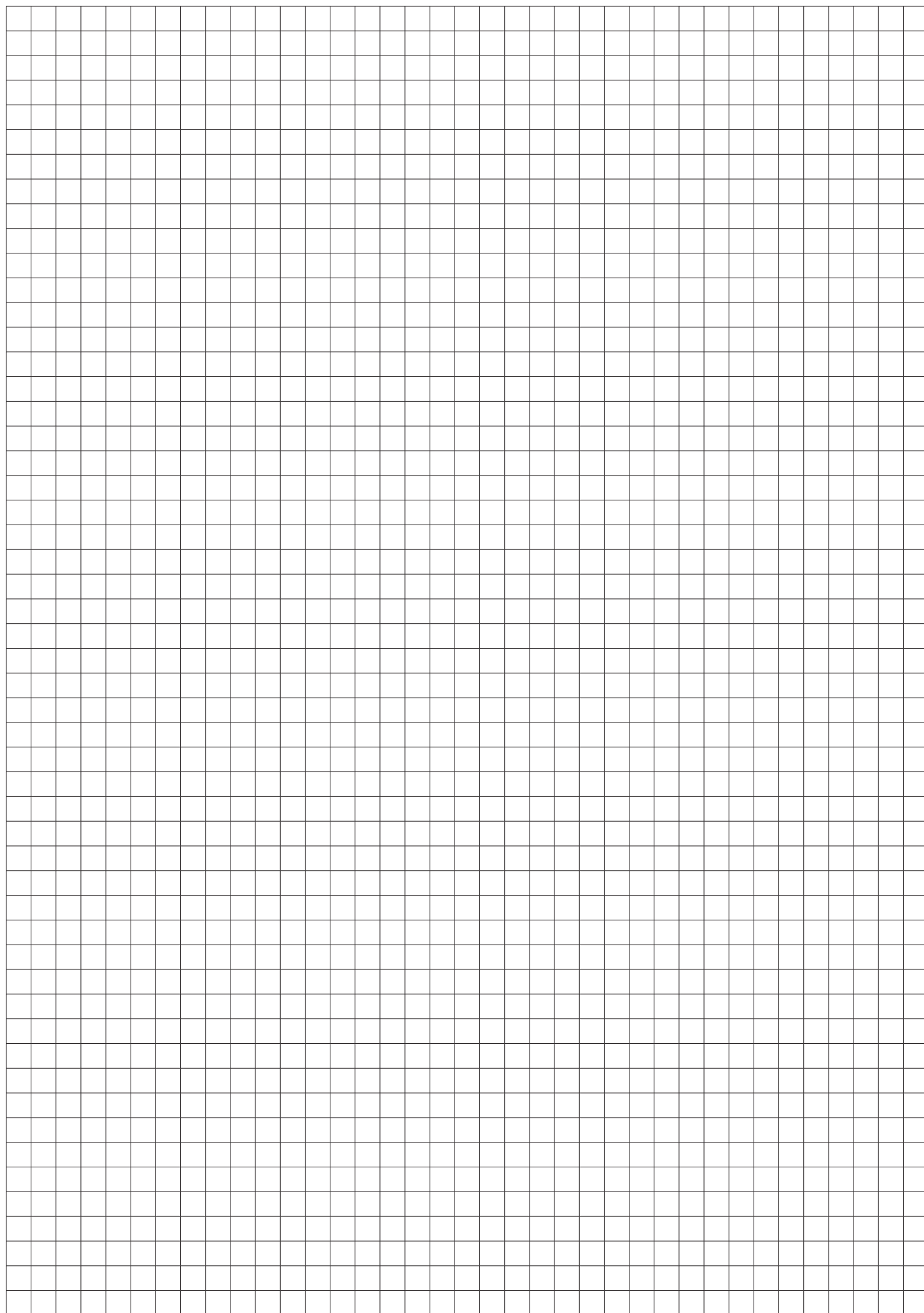
				
	kg	kg	kg	kg
M6	90	90	90	60
M8	140	140	140	95
M10	230	230	230	160
M12	340	340	340	240
M14	480	480	480	335
M16	700	700	700	495
M18	930	930	930	655
M20	1200	1200	1200	845
M22	1450	1450	1450	1025
M24	1800	1800	1800	1270
M27	2400	2400	2400	1695
M30	3200	3200	3200	2260
M33	3900	3900	3900	2755
M36	4600	4600	4600	3250
M42	6300	6300	6300	4455
M48	8600	8600	8600	6080
M56	11500	11500	11500	8130
M64	16000	15550	16000	11310

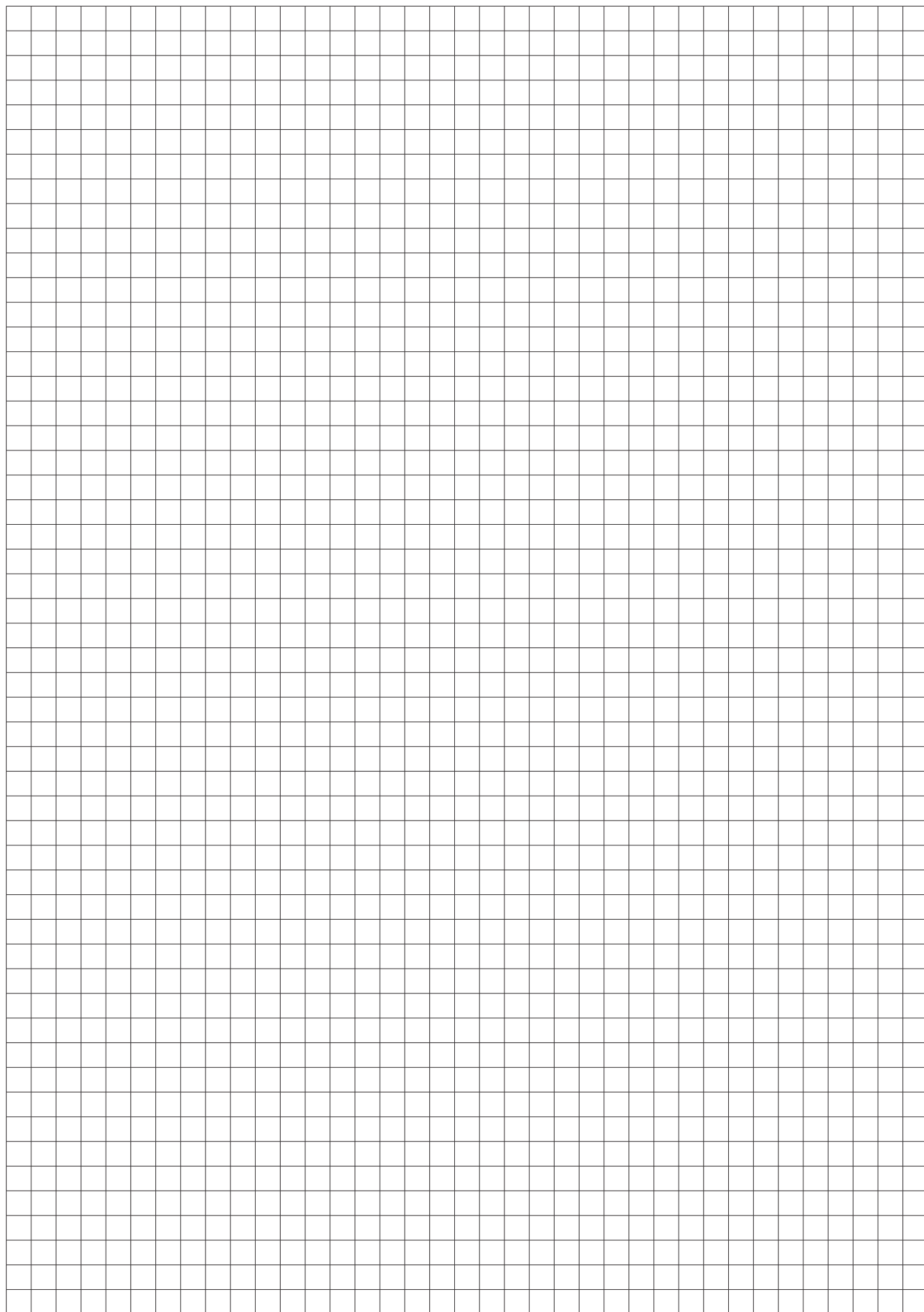
Item	Test Report 2.2 (UNI EN 10204)	Test Certificate 3.1(UNI EN 10204)	Manufacturer's Certificate	CE Declaration of Conformity
8001Z	✓	✓		✓
8001TZ	✓	✓		✓
8002ZD	✓			
8003ZD	✓			
8004ND	✓			
8005Z	✓			✓
8005TZ	✓			✓
8006Z	✓			✓
8007Z	✓			✓
8008N	✓			✓
8008TZN	✓			✓
8009FD	✓			
8009Z	✓			✓
8009TZ	✓			✓
8010Z	✓			✓
8010TZ	✓			✓
8011Z	✓			✓
8011TZ	✓			✓
8015	✓		✓	✓
8016	✓			✓
8016DA	✓			✓
8016FR	✓			
8016U2	✓		✓	✓
8016UGK	✓		✓	✓
8018E	✓			
8018T	✓			
8020A	✓			
8021A	✓			
8025	✓	✓		✓
8026A	✓	✓		✓
8026R	✓	✓		✓
8028	✓	✓		✓
8029R	✓	✓		✓
8031R	✓	✓		✓
8032	✓	✓		✓
8040EN	✓	✓		✓
8040EZ	✓	✓		✓
8042EN	✓	✓		✓
8042EZ	✓	✓		✓
8041	✓	✓		✓
8043	✓	✓		✓
8044	✓	✓		✓
8048	✓			
8049	✓	✓		✓
8049A	✓	✓		✓
8049V	✓	✓		✓
8051S	✓	✓		✓
8052	✓	✓		✓
8057R	✓	✓		✓
8058R	✓	✓		✓
8060R	✓	✓		✓
8061R	✓	✓		✓
8062	✓	✓		✓
8063	✓	✓		✓
8063SL	✓	✓		✓
8064S	✓	✓		✓
8065SC	✓	✓		✓
8068S	✓	✓		✓
8074	✓			
8074A	✓			
8074G	✓			
8080	✓			
8080FM	✓			
8085R	✓	✓		✓
8086	✓	✓		✓

Item	Test Report 2.2 (UNI EN 10204)	Test Certificate 3.1(UNI EN 10204)	Manufacturer's Certificate	CE Declaration of Conformity
8090	✓	✓		✓
8090F	✓	✓		✓
8090R	✓	✓		✓
8091			✓	✓
8091SL			✓	✓
8092			✓	✓
8092SL			✓	✓
8094			✓	✓
8094SL			✓	✓
8096			✓	✓
8096SL			✓	✓
8097			✓	✓
8097SL			✓	✓
8098			✓	✓
8098SL			✓	✓
8100	✓	✓		✓
8105	✓	✓		✓
8109	✓	✓		✓
8110	✓			
8114	✓			
8116	✓			
8120 - 8120D	✓			
8120B	✓			
8121MZC	✓			
8134	✓		✓	✓
8135	✓		✓	✓
8143	✓		✓	✓
8146	✓		✓	✓
8146C	✓		✓	✓
8147C-S-P	✓		✓	✓
8148	✓		✓	✓
8149	✓			✓
8150	✓		✓	✓
8153	✓		✓	✓
8156	✓		✓	✓
8157	✓		✓	✓
8158	✓		✓	✓
8159	✓		✓	✓
8160	✓		✓	✓
8161	✓		✓	✓
8166	✓			
8170	✓		✓	✓
8173	✓		✓	✓
8176	✓		✓	✓
8177	✓		✓	✓
8178	✓		✓	✓
8179M-B-A	✓		✓	✓
8180	✓			
8181	✓			
8181S	✓			
8182	✓			
8182A-GD	✓			
8182E	✓			
8182H-H2	✓			
8182M	✓			
8182S	✓			
8182T	✓			
8182T-TS	✓			
8182TS	✓			
8185	✓			
8186	✓			
8187	✓			
8188C	✓			
8188CG/25	✓			
8188CU	✓			

Item	Test Report 2.2 (UNI EN 10204)	Test Certificate 3.1(UNI EN 10204)	Manufacturer's Certificate	CE Declaration of Conformity
8188F	✓			
8188VF/35	✓			
8188FG2	✓			
8190	✓	✓		
8190B	✓		✓	
8302Z	✓			
8303Z	✓			
8317DZ	✓			
8317SZ	✓			
8381SL	✓			
8381SP	✓			
8383C	✓			
8383P	✓			
8515V	✓			
8515Z	✓			
8531	✓			
8532	✓			
8535	✓			
8201T	✓			
8205	✓			
8206	✓			
8207	✓			
8209	✓			
8210	✓			
8210F	✓			
8210FTP	✓			
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	✓			
8702...	✓	✓		
8709...	✓	✓		











The product specifications and operating and maintenance instructions can be freely downloaded from our website www.beta-tools.com. Please read them carefully before using the relevant product, and keep them for future reference.



Robur:

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Zona industriale - C.da S. Nicola

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