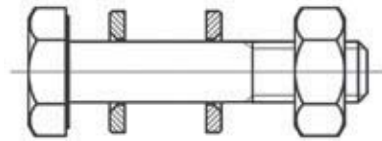


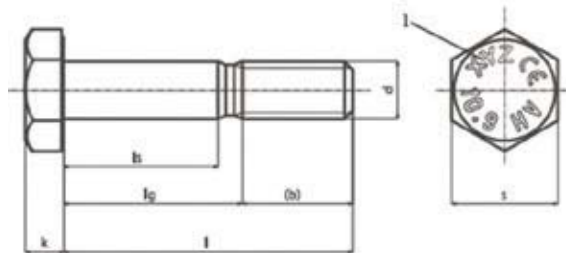
Nome	Classe	UNI	DIN	EN ISO	Pag.
Vite + dado + 2 rondelle ad alta resistenza a serraggio controllato Screw + Nut + 2 washers, high strength and controlled loading	10.9 10 HV 300			14399-4 14399-6	3.1
Vite + dado + 2 rondelle ad alta resistenza a serraggio controllato Screw + nut + 2 washers, high strengt	10.9			14399-4+6	3.2
Vite + dado + 2 rondelle ad alta resistenza a serraggio controllato Screw + nut + 2 washers, high strength and controlled loading	10.9			14399-4+6	3.3

UNI EN 14399-4+6 Classe HV Coef. K1

Insieme: Vite + Dado + 2 Rondelle ad alta resistenza  
a serraggio controllato EN 14399-4+14399-6, nella stessa scatola  
Set: Screw + Nut + 2 Washers, High Strength  
and controlled loading EN 14399-4+14399-6 in the same box



**Bullone  
Bolt  
10.9**



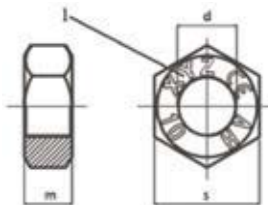
3

FILETTATURA METRICA A PASSO GROSSO / Metric Coarse Pitch Thread

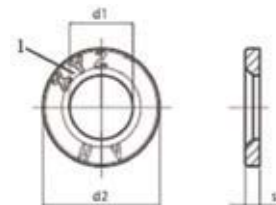
EN 14399-4

Diam	M12**	M16	M20	M22	M24	M27	M30
Passo / Pitch	1,75	2	2,5	2,5	3	3	3,5
S	22	27	32	36	41	46	50
K	8	10	13	14	15	17	19
e	23,91	29,56	35,03	39,55	45,20	50,85	55,37
b	23	28	33	34	37	39	42

**Dado  
Nut  
Cl.10**



**Rondelle  
Washers  
HV 300**



Dado / Nut

EN 14399-4

Diam	M12**	M16	M20	M22	M24	M27	M30
S	22	27	32	36	41	46	50
m	10	13	16	18	20	22	24

Rondelle / Washers

EN 14399-6

Diam	M12**	M16	M20	M22	M24	M27	M30
d1	13	17	21	23	25	28	31
d2	24	30	37	39	44	50	56
h	3	4	4	4	4	5	5

\* = Marchio del fabbricante  
\*\* = Produzione su richiesta

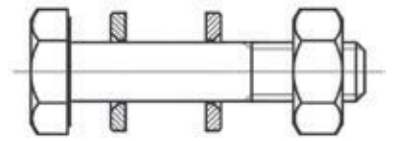
\* = Factory headmark  
\*\* = Production on demand

1. Codice Produttore  
Materiale: Cl. 10.9 su bullone, Cl 10 su Dado e HV 300-370  
sulle rondelle secondo EN 14399  
Dado: Carico unitario di prova > 1040 N/mm<sup>2</sup>  
Bullone: Carico Unitario di rottura > 1040 N/mm<sup>2</sup>  
Allungamento minimo: 9%  
Tolleranza: UNI categoria "A" e "B" ISO 4759/1

1. Manufacturer Code  
Material: Cl 10.9 on Bolt, Cl 10 on Nut and HV 300-370  
on washers as per EN 14399  
Proof load for nuts > 1040 N/mm<sup>2</sup>  
Tensile Strength for bolts > 1040 N/mm<sup>2</sup>  
Minimum elongation: 9%  
Tolerance: Cat "A" and "B" as per ISO 4759/1

UNI EN 14399-4+6 Classe HV Coef. K1  
Grezzo / Plain

Insieme: Vite + Dado + 2 Rondelle ad alta resistenza  
a serraggio controllato EN 14399-4+14399-6, nella stessa scatola  
Set: Screw + Nut + 2 Washers, High Strength  
and controlled loading EN 14399-4+14399-6 in the same box



ART.HA1E/50

FILETTATURA METRICA A PASSO GROSSO / Metric Coarse Pitch Thread

EN 14399-4+6

PREZZI € PER 100 PEZZI / PRICE € PER 100 PIECES

d	12**	16	20	22	24	27	30
35	97,90						
40	100,35	154,15					
45	103,75	156,45	238,10				
50	105,95	161,80	245,25	413,20			
55	108,80	167,30	250,75	412,20			
60	113,05	172,85	256,20	425,50	442,85		
65	116,55	178,20	261,70	431,10	448,50		
70	122,10	183,75	267,15	431,10	448,50	619,30	
75		188,85	279,85	446,60	464,00	642,10	868,70
80		188,85	279,85	446,80	464,00	642,10	868,70
85		199,85	293,55	462,70	480,05	664,80	922,90
90		199,85	293,55	462,70	480,05	664,80	922,90
95		213,25	301,80	479,95	497,30	698,40	978,00
100		213,25	301,80	479,95	497,30	698,40	978,00
105		255,60	324,65	495,35	512,70	733,00	1036,80
110		255,60	324,65	495,35	512,70	733,00	1036,80
115		259,30	347,30	513,15	530,55	768,85	1109,70
120		259,30	347,30	513,15	530,55	768,85	1109,70
125		261,10	372,30	536,45	553,80	803,00	1186,30
130		261,10	372,30	536,45	553,80	803,00	1186,30
135			389,10	571,05	588,40	838,50	1278,70
140			389,10	571,05	588,40	838,50	1278,70
145			413,45	607,90	625,25	872,10	1374,95
150			413,45	607,90	625,25	872,10	1374,95
155			484,40	703,65	721,00	990,80	1479,45
160				703,65	721,00	990,80	1479,45
165				743,10	760,50	1028,10	1585,90
170					760,50	1028,10	1585,90
180					799,95	1068,60	1705,10
190					839,55	1107,70	1808,25
200						1146,60	1931,10

/ = lunghezza/length mm

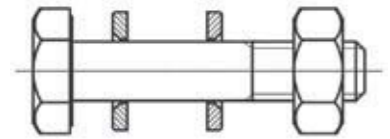
3

\*\* = Produzione su richiesta

\*\* = Production on demand

UNI EN 14399-4+6 Classe HV Coef. K1  
Zincato a Caldo / Hot Dip Galvanized

Insieme: Vite + Dado + 2 Rondelle ad alta resistenza  
a serraggio controllato EN 14399-4+14399-6, nella stessa scatola  
Set: Screw + Nut + 2 Washers, High Strength  
and controlled loading EN 14399-4+14399-6 in the same box



ART.HA1E/60

FILETTATURA METRICA A PASSO GROSSO / Metric Coarse Pitch Thread

EN 14399-4+6

PREZZI € PER 100 PEZZI / PRICE € PER 100 PIECES

d	12**	16	20	22	24	27	30
35	114,25						
40	117,45	187,40					
45	121,55	191,05	293,30				
50	124,50	197,75	302,55	487,80			
55	128,15	204,60	310,15	489,35			
60	133,10	211,50	317,70	505,20	547,75		
65	137,40	218,20	325,30	513,40	556,40		
70	143,70	225,10	332,85	515,95	559,45	774,65	
75		231,50	347,70	534,00	578,00	801,25	1070,10
80		232,85	349,80	536,55	581,05	805,15	1074,90
85		245,20	365,60	555,15	600,15	831,70	1133,90
90		246,55	367,60	557,60	602,90	835,55	1138,70
95		231,60	377,95	577,40	623,20	873,00	1198,60
100		262,65	396,85	579,95	626,25	876,60	1202,90
105		306,35	405,05	597,90	644,70	915,05	1266,50
110		307,70	407,15	600,45	647,75	918,90	1271,30
115		312,75	431,95	620,85	668,60	958,60	1348,95
120		314,10	434,05	623,40	671,65	962,50	1353,75
125		317,25	461,15	649,25	697,95	1000,45	1435,15
130		318,60	463,25	651,80	701,00	1004,35	1439,95
135			480,65	688,95	738,65	1043,65	1537,15
140			482,85	691,50	741,70	1047,50	1541,80
145			509,25	730,90	781,55	1084,95	1642,85
150			511,45	733,45	784,60	1088,80	1647,45
155			584,45	831,75	883,40	1211,35	1756,75
160				834,30	886,45	1215,20	1761,90
165				876,35	929,00	1256,40	1872,85
170					932,00	1260,25	1877,65
180					977,55	1308,40	2007,45
190					1023,20	1355,20	2120,20
200						1401,80	2252,65

/ = lunghezza/length mm

\*\* = Produzione su richiesta

\*\* = Production on demand