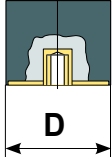
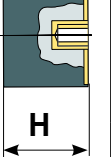
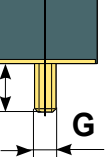
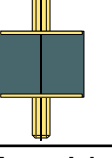
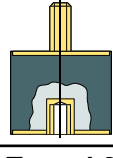

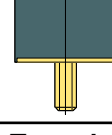



Toimitusaika: 4–6 vko tai sopimukseen
mukaan

Kovuudet: 40–80 °ShA

Minimitilaus: Ø < 50 mm 100 kpl
Ø > 50 mm 50 kpl

Kumilaadut: SBR / NR, neopren CR,
nitrili NBR, silikoni FPM, EPDM

							
D	H	G	Tyyppi 1	Tyyppi 2	Tyyppi 3	Tyyppi 4	Tyyppi 5
6	7	M3 x L	✓	-	-	✓	-
6	7		✓	✓	✓	✓	✓
6	8		✓	✓	✓	✓	✓
6	9		✓	✓	✓	✓	✓
			✓	✓	✓	✓	✓
			✓	✓	✓	✓	✓
7	3	M3 x L	-	-	-	✓	-
8	5	M3 x L M4 x L	✓	-	-	✓	-
8	6		✓	✓	-	✓	✓
8	8		✓	✓	✓	✓	✓
8	10		✓	✓	✓	✓	✓
8	13		✓	✓	✓	✓	✓
8	15		✓	✓	✓	✓	✓
9	7	M4 x L	✓	-	-	✓	-
9	12		✓	✓	✓	✓	✓
10	5	M3 x L M4 x L M5 x L	✓	-	-	✓	-
10	6		✓	-	-	✓	-
10	8		✓	✓	✓	✓	✓
10	9		✓	✓	✓	✓	✓
10	10		✓	✓	✓	✓	✓
10	12		✓	✓	✓	✓	✓
10	15		✓	✓	✓	✓	✓
10	17		✓	✓	✓	✓	✓
10	18		✓	✓	✓	✓	✓
10	30		✓	✓	✓	✓	✓

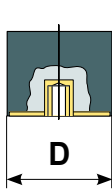
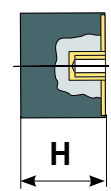
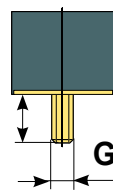
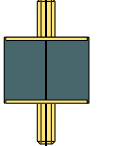
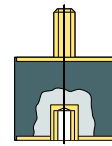
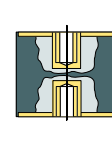
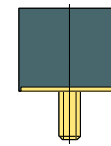
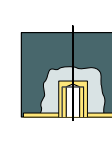
Pulttien pituustaulukko on sivulla 62-63.

Toimitusaika: 4–6 viikkoa tai sopimuksen mukaan

Kovuudet: 40–80 °ShA

Minimitilaus: Ø < 50 mm 100 kpl
Ø > 50 mm 50 kpl

Kumilaadut: SBR / NR, neopren CR,
nitrili NBR, silikoni FPM, EPDM

							
D	H	G	Tyyppi 1	Tyyppi 2	Tyyppi 3	Tyyppi 4	Tyyppi 5
11	11	M4 x L	✓	✓	✓	✓	✓
11,2	18	M5 x L	✓	✓	✓	✓	✓
12	3,5	M3 x L M4 x L M5 x L	✓	-	-	✓	-
12	5		✓	-	-	✓	-
12	6,5		✓	-	-	✓	✓
12	7		✓	-	-	✓	✓
12	10		✓	✓	✓	✓	✓
12	12		✓	✓	✓	✓	✓
12	13,5		✓	✓	✓	✓	✓
12	15		✓	✓	✓	✓	✓
12	19		✓	✓	✓	✓	✓
12,5	10		✓	✓	✓	✓	✓
12,5	15		✓	✓	✓	✓	✓
13	8		M4 x L M5 x L M6 x L	✓	✓	-	✓
13	12	✓		✓	✓	✓	✓
13	13	✓		✓	✓	✓	✓
13	20	✓		✓	✓	✓	✓
13	26	✓		✓	✓	✓	✓
15	3,5	M3 x L M4 x L M5 x L M6 x L M8 x L	✓	-	-	✓	-
15	4		✓	-	-	✓	-
15	5		✓	-	-	✓	-
15	6		✓	-	-	✓	✓
15	7		✓	-	-	✓	✓
15	7,5		✓	✓	-	✓	✓
15	8		✓	✓	-	✓	✓
15	9		✓	✓	-	✓	✓

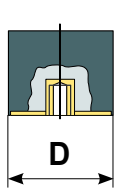
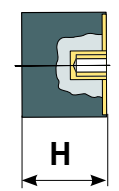
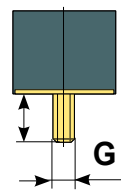
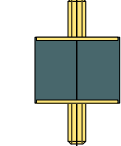
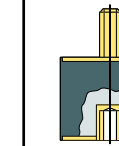
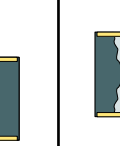
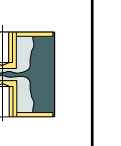
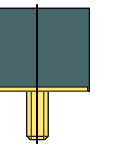
Pulttien pituustaulukko on sivulla 62-63.

Toimitusaika: 4–6 viikkoa tai sopimuksen mukaan

Kovuudet: 40–80 °ShA

Minimitilaus: Ø < 50 mm 100 kpl
Ø > 50 mm 50 kpl

Kumilaadut: SBR / NR, neopren CR,
nitrili NBR, silikonit FPM, EPDM

							
D	H	G	Tyyppi 1	Tyyppi 2	Tyyppi 3	Tyyppi 4	Tyyppi 5
15	10	M3 x L M4 x L M5 x L M6 x L M8 x L	✓	✓	✓	✓	✓
15	12		✓	✓	✓	✓	✓
15	13		✓	✓	✓	✓	✓
15	15		✓	✓	✓	✓	✓
15	18		✓	✓	✓	✓	✓
15	20		✓	✓	✓	✓	✓
15	25		✓	✓	✓	✓	✓
15	26		✓	✓	✓	✓	✓
15	30		✓	✓	✓	✓	✓
16	7	M4 x L M5 x L M6 x L	✓	-	✓	✓	✓
16	15		✓	✓	✓	✓	✓
16	18		✓	✓	✓	✓	✓
16	20		✓	✓	✓	✓	✓
17	9	M6 x L	✓	✓	-	✓	✓
18	5,7	M5 x L M6 x L	✓	-	-	✓	-
18	6		✓	-	-	✓	-
18	7,5		✓	✓	-	✓	-
18	8,1		✓	✓	-	✓	-
18	8,5		✓	✓	-	✓	-
18	10		✓	✓	-	✓	✓
18	13		✓	✓	✓	✓	✓
18	14		✓	✓	✓	✓	✓
18	15		✓	✓	✓	✓	✓
19	6		M6 x L	-	-	-	✓
19	20	✓		✓	✓	✓	✓

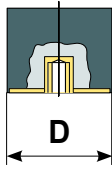
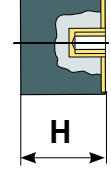
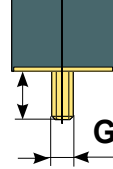
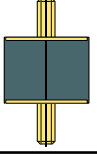
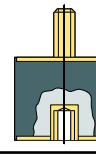
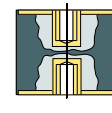

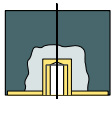
Pulttien pituustaulukko on sivulla 62-63.

Toimitusaika: 4–6 viikkoa tai sopimuksen mukaan

Kovuudet: 40–80 °ShA

Minimitilaus: Ø < 50 mm 100 kpl
Ø > 50 mm 50 kpl

Kumilaadut: SBR / NR, neopren CR,
nitrili NBR, silikonit FPM, EPDM

							
D	H	G	Tyyppi 1	Tyyppi 2	Tyyppi 3	Tyyppi 4	Tyyppi 5
19,5	20	M6 x L	✓	✓	✓	✓	✓
20	5	M4 x L M5 x L M6 x L M8 x L M10 x L	-	-	-	✓	-
20	6		-	-	-	✓	-
20	7		-	-	-	✓	-
20	8		✓	-	-	✓	-
20	8,5		✓	-	-	✓	-
20	9		✓	✓	-	✓	-
20	10		✓	✓	-	✓	✓
20	11		✓	✓	✓	✓	✓
20	12		✓	✓	✓	✓	✓
20	13		✓	✓	✓	✓	✓
20	13,5		✓	✓	✓	✓	✓
20	15		✓	✓	✓	✓	✓
20	17		✓	✓	✓	✓	✓
20	18		✓	✓	✓	✓	✓
20	18,5		✓	✓	✓	✓	✓
20	20		✓	✓	✓	✓	✓
20	22		✓	✓	✓	✓	✓
20	23		✓	✓	✓	✓	✓
20	25		✓	✓	✓	✓	✓
20	30		✓	✓	✓	✓	✓
20	40	✓	✓	✓	✓	✓	
20	60	✓	✓	✓	✓	✓	

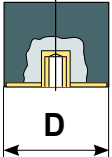
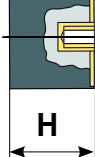
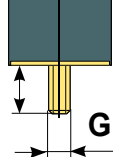
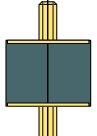
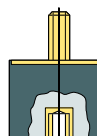
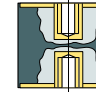


Pulttien pituustaulukko on sivulla 62-63.

Toimitusaika: 4–6 viikkoa tai sopimuksen mukaan

Kovuudet: 40–80 °ShA

Minimitilaus: Ø < 50 mm 100 kpl
Ø > 50 mm 50 kpl

Kumilaadut: SBR / NR, neopren CR,
nitrili NBR, silikoni FPM, EPDM

							
D	H	G	Tyyppi 1	Tyyppi 2	Tyyppi 3	Tyyppi 4	Tyyppi 5
25	8	M4 x L M5 x L M6 x L M8 x L M10 x L	✓	-	-	✓	-
25	10		✓	✓	-	✓	✓
25	12		✓	✓	-	✓	✓
25	13		✓	✓	-	✓	✓
25	14		✓	✓	-	✓	✓
25	15		✓	✓	✓	✓	✓
25	17		✓	✓	✓	✓	✓
25	18		✓	✓	✓	✓	✓
25	19		✓	✓	✓	✓	✓
25	20		✓	✓	✓	✓	✓
25	22		✓	✓	✓	✓	✓
25	25		✓	✓	✓	✓	✓
25	27		✓	✓	✓	✓	✓
25	28		✓	✓	✓	✓	✓
25	30		✓	✓	✓	✓	✓
25	35		✓	✓	✓	✓	✓
25	40	✓	✓	✓	✓	✓	
26	22	M6 x L	✓	✓	✓	✓	✓
30	6	M5 x L M6 x L M8 x L M10 x L M12 x L	-	-	-	✓	-
30	7		-	-	-	✓	-
30	8		-	-	-	✓	-
30	10		✓	✓	-	✓	✓
30	12		✓	✓	-	✓	✓
30	13		✓	✓	-	✓	✓
30	15		✓	✓	✓	✓	✓
30	16		✓	✓	✓	✓	✓
30	17	✓	✓	✓	✓	✓	

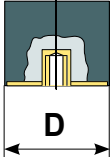
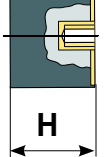
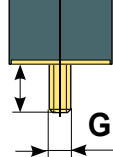
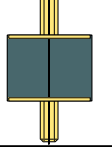
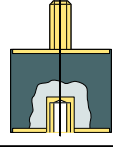
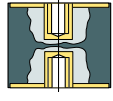
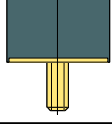

Pulttien pituustaulukko on sivulla 62-63.

Toimitusaika: 4–6 viikkoa tai sopimuksen mukaan

Kovuudet: 40–80 °ShA

Minimitilaus: Ø < 50 mm 100 kpl
Ø > 50 mm 50 kpl

Kumilaadut: SBR / NR, neopren CR,
nitrili NBR, silikoni FPM, EPDM

							
D	H	G	Tyyppi 1	Tyyppi 2	Tyyppi 3	Tyyppi 4	Tyyppi 5
30	18	M5 x L M6 x L M8 x L M10 x L M12 x L	✓	✓	✓	✓	✓
30	20		✓	✓	✓	✓	✓
30	22		✓	✓	✓	✓	✓
30	25		✓	✓	✓	✓	✓
30	27		✓	✓	✓	✓	✓
30	28		✓	✓	✓	✓	✓
30	30		✓	✓	✓	✓	✓
30	35		✓	✓	✓	✓	✓
30	36		✓	✓	✓	✓	✓
30	40		✓	✓	✓	✓	✓
30	45		✓	✓	✓	✓	✓
30	50		✓	✓	✓	✓	✓
33	12	M6	✓	✓	✓	✓	✓
35	20	M6 x L M8 x L M10 x L	✓	✓	✓	✓	✓
35	25		✓	✓	✓	✓	✓
35	30		✓	✓	✓	✓	✓
35	40		✓	✓	✓	✓	✓
35	45	✓	✓	✓	✓	✓	
40	6	M5 x L M6 x L M8 x L M10 x L M12 x L	-	-	-	✓	-
40	10		✓	-	-	✓	✓
40	15		✓	✓	✓	✓	✓
40	17		✓	✓	✓	✓	✓
40	20		✓	✓	✓	✓	✓
40	25		✓	✓	✓	✓	✓
40	27		✓	✓	✓	✓	✓
40	28		✓	✓	✓	✓	✓

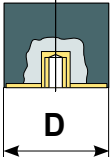
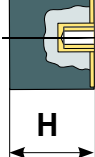
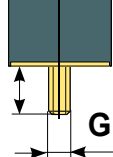
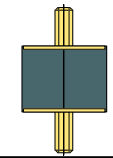
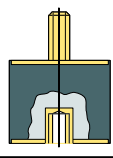

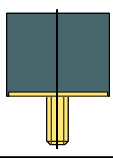

Pulttien pituustaulukko on sivulla 62-63.

Toimitusaika: 4–6 viikkoa tai sopimuksen mukaan

Kovuudet: 40–80 °ShA

Minimitilaus: Ø < 50 mm 100 kpl
Ø > 50 mm 50 kpl

Kumilaadut: SBR / NR, neopren CR,
nitrili NBR, silikoni FPM, EPDM

							
D	H	G	Tyyppi 1	Tyyppi 2	Tyyppi 3	Tyyppi 4	Tyyppi 5
40	30	M5 x L M6 x L M8 x L M10 x L M12 x L	✓	✓	✓	✓	✓
40	35		✓	✓	✓	✓	✓
40	38		✓	✓	✓	✓	✓
40	40		✓	✓	✓	✓	✓
40	45		✓	✓	✓	✓	✓
40	50		✓	✓	✓	✓	✓
40	55		✓	✓	✓	✓	✓
40	60		✓	✓	✓	✓	✓
43	45	M8	✓	✓	✓	✓	✓
45	50	M8	✓	✓	✓	✓	✓
50	7	M5 x L M6 x L M8 x L M10 x L M12 x L M16 x L	-	-	-	✓	-
50	9		-	-	-	✓	-
50	10		-	-	-	✓	-
50	12		-	-	-	✓	✓
50	15		✓	-	-	✓	✓
50	17		✓	-	-	✓	✓
50	18		✓	-	-	✓	✓
50	20		✓	✓	✓	✓	✓
50	21		✓	✓	✓	✓	✓
50	22		✓	✓	✓	✓	✓
50	25		✓	✓	✓	✓	✓
50	27		✓	✓	✓	✓	✓
50	28		✓	✓	✓	✓	✓
50	30		✓	✓	✓	✓	✓
50	35		✓	✓	✓	✓	✓
50	36		✓	✓	✓	✓	✓

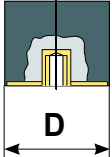
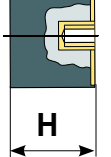
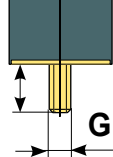
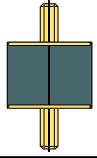
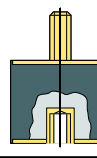
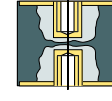
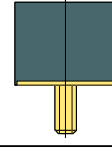

Pulttien pituustaulukko on sivulla 62-63.

Toimitusaika: 4–6 viikkoa tai sopimuksen mukaan

Kovuudet: 40–80 °ShA

Minimitilaus: Ø < 50 mm 100 kpl
Ø > 50 mm 50 kpl

Kumilaadut: SBR / NR, neopren CR,
nitrili NBR, silikoni FPM, EPDM

							
D	H	G	Tyyppi 1	Tyyppi 2	Tyyppi 3	Tyyppi 4	Tyyppi 5
50	37	M5 x L M6 x L M8 x L M10 x L M12 x L M16 x L	✓	✓	✓	✓	✓
50	37,5		✓	✓	✓	✓	✓
50	40		✓	✓	✓	✓	✓
50	42		✓	✓	✓	✓	✓
50	45		✓	✓	✓	✓	✓
50	50		✓	✓	✓	✓	✓
50	55		✓	✓	✓	✓	✓
50	60		✓	✓	✓	✓	✓
50	65		✓	✓	✓	✓	✓
50	70		✓	✓	✓	✓	✓
50	80		✓	✓	✓	✓	✓
55	40		M10 x L	✓	✓	✓	✓
60	15	M6 x L M8 x L M10 x L M12 x L M16 x L	✓	✓	✓	✓	✓
60	16		✓	✓	✓	✓	✓
60	20		✓	✓	✓	✓	✓
60	25		✓	✓	✓	✓	✓
60	30		✓	✓	✓	✓	✓
60	35		✓	✓	✓	✓	✓
60	40		✓	✓	✓	✓	✓
60	43		✓	✓	✓	✓	✓
60	45		✓	✓	✓	✓	✓
60	50		✓	✓	✓	✓	✓
60	60		✓	✓	✓	✓	✓
65	35		M10 M12	✓	✓	✓	✓

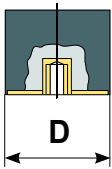
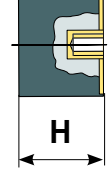
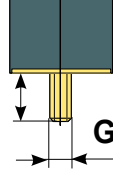
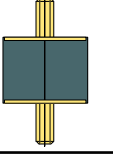
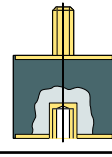
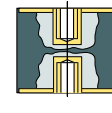
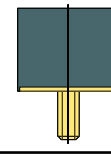
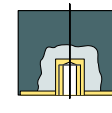
Pulttien pituustaulukko on sivulla 62-63.

Toimitusaika: 4–6 viikkoa tai sopimuksen mukaan

Kovuudet: 40–80 °ShA

Minimitilaus: Ø < 50 mm 100 kpl
Ø > 50 mm 50 kpl

Kumilaadut: SBR / NR, neopren CR,
nitrili NBR, silikoni FPM, EPDM

							
D	H	G	Tyyppi 1	Tyyppi 2	Tyyppi 3	Tyyppi 4	Tyyppi 5
70	20	M8 x L M10 x L M12 x L M14 x L M16 x L	✓	-	-	✓	✓
70	25		✓	✓	-	✓	✓
70	30		✓	✓	✓	✓	✓
70	35		✓	✓	✓	✓	✓
70	40		✓	✓	✓	✓	✓
70	42		✓	✓	✓	✓	✓
70	45		✓	✓	✓	✓	✓
70	50		✓	✓	✓	✓	✓
70	55		✓	✓	✓	✓	✓
70	60		✓	✓	✓	✓	✓
70	69		✓	✓	✓	✓	✓
70	70		✓	✓	✓	✓	✓
75	15	M8 x L M10 x L M12 x L M14 x L M16 x L	✓	-	-	✓	✓
75	20		✓	✓	-	✓	✓
75	25		✓	✓	-	✓	✓
75	28		✓	✓	✓	✓	✓
75	30		✓	✓	✓	✓	✓
75	35		✓	✓	✓	✓	✓
75	40		✓	✓	✓	✓	✓
75	45		✓	✓	✓	✓	✓
75	50		✓	✓	✓	✓	✓
75	52		✓	✓	✓	✓	✓
75	55		✓	✓	✓	✓	✓
75	60		✓	✓	✓	✓	✓
75	65		✓	✓	✓	✓	✓
75	70		✓	✓	✓	✓	✓
75	100		✓	✓	✓	✓	✓

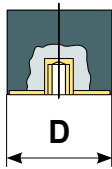
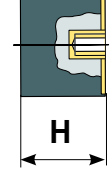
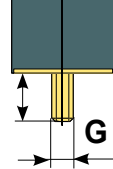
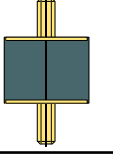
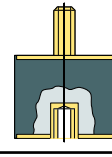
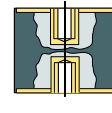
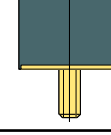
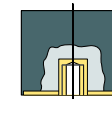
Pulttien pituustaulukko on sivulla 62-63.

Toimitusaika: 4–6 viikkoa tai sopimuksen mukaan

Kovuudet: 40–80 °ShA

Minimitilaus: Ø < 50 mm 100 kpl
Ø > 50 mm 50 kpl

Kumilaadut: SBR / NR, neopren CR,
nitrili NBR, silikoni FPM, EPDM

								
D	H	G	Tyyppi 1	Tyyppi 2	Tyyppi 3	Tyyppi 4	Tyyppi 5	
80	17	M10 x L M12 x L M14 x L M16 x L	✓	✓	✓	✓	✓	
80	18		✓	✓	✓	✓	✓	
80	30		✓	✓	✓	✓	✓	
80	40		✓	✓	✓	✓	✓	
80	50		✓	✓	✓	✓	✓	
80	55		✓	✓	✓	✓	✓	
80	60		✓	✓	✓	✓	✓	
80	65		✓	✓	✓	✓	✓	
80	70		✓	✓	✓	✓	✓	
80	75		✓	✓	✓	✓	✓	
80	80		✓	✓	✓	✓	✓	
90	60	M12 x L	✓	✓	✓	✓	✓	
100	25	M10 x L M12 x L M14 x L M16 x L M20 x L	✓	-	-	✓	✓	
100	30		✓	✓	-	✓	✓	
100	35		✓	✓	✓	✓	✓	
100	40		✓	✓	✓	✓	✓	
100	45		✓	✓	✓	✓	✓	
100	50		✓	✓	✓	✓	✓	
100	55		✓	✓	✓	✓	✓	
100	60		✓	✓	✓	✓	✓	
100	65		✓	✓	✓	✓	✓	
100	70		✓	✓	✓	✓	✓	
100	75		✓	✓	✓	✓	✓	
100	80		✓	✓	✓	✓	✓	
100	100		✓	✓	✓	✓	✓	
120	80			✓	✓	✓	✓	✓

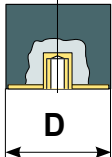
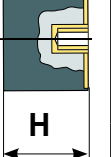
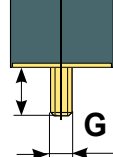
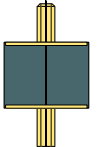
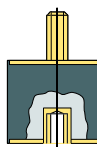

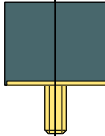

Pulttien pituustaulukko on sivulla 62-63.

Toimitusaika: 4–6 viikkoa tai sopimuksen mukaan

Kovuudet: 40–80 °ShA

Minimitilaus: Ø < 50 mm 100 kpl
Ø > 50 mm 50 kpl

Kumilaadut: SBR / NR, neopren CR, nitrili NBR, silikoni FPM, EPDM

							
D	H	G	Tyyppi 1	Tyyppi 2	Tyyppi 3	Tyyppi 4	Tyyppi 5
125	40	M12 x L M16 x L	✓	✓	✓	✓	✓
125	55		✓	✓	✓	✓	✓
125	60		✓	✓	✓	✓	✓
125	70		✓	✓	✓	✓	✓
125	75		✓	✓	✓	✓	✓
125	90		✓	✓	✓	✓	✓
125	95		✓	✓	✓	✓	✓
125	100		✓	✓	✓	✓	✓
125	125		✓	✓	✓	✓	✓
130	40	M16 x L	✓	✓	✓	✓	✓
150	45	M16 x L M20 x L	✓	✓	✓	✓	✓
150	50		✓	✓	✓	✓	✓
150	55		✓	✓	✓	✓	✓
150	60		✓	✓	✓	✓	✓
150	75		✓	✓	✓	✓	✓
150	100		✓	✓	✓	✓	✓
150	120		✓	✓	✓	✓	✓
150	150		✓	✓	✓	✓	✓
164	75	M16 x L M20 x L	✓	✓	✓	✓	✓
200	100		✓	✓	✓	✓	✓

Pulttien pituustaulukko on sivulla 62-63.

PULTTIEN PITUUSTAULUKKO
SINKITYT TERÄSTEVIYT

Ø L	M3	M4	M5	M6	M8	M10	M12	M16	M20
6	X	X	O	O	-	-	-	-	-
8	X	X	X	X	O	O	-	-	-
10	O	X	X	X	X	X	X	-	-
12	O	X	X	X	X	X	O	-	-
15	-	X	X	X	X	X	-	-	-
17	-	-	-	-	-	-	X	-	-
18	-	-	O	X	X	X	-	-	-
20	-	-	X	X	X	X	-	-	-
22	-	-	-	-	-	-	X	O	-
23	-	-	-	X	X	X	-	-	-
25	-	-	-	O	O	X	-	-	-
27	-	-	-	-	-	-	X	X	-
28	-	-	-	X	X	X	-	-	-
33	-	-	-	O	X	X	-	-	-
36	-	-	-	O	-	-	-	X	-
37	-	-	-	O	-	-	X	-	-
38	-	-	-	O	X	X	-	-	-
41	-	-	-	-	-	-	O	X	X
46	-	-	-	-	-	-	-	X	X
47	-	-	-	O	O	O	X	-	-

X = Vakio koot

O = Valinnaiset koot

PULTTIEN PITUUSTAULUKKO
RUOSTUMATON TERÄS (A2)
HAPONKESTÄVÄ TERÄS (A4)

Ø L	M3	M4	M5	M6	M8	M10	M12	M14	M16	M20	M24
6	X	X	-	-	-	-	-	-	-	-	-
8	X	X	X	X	-	-	-	-	-	-	-
10	X	X	X	X	X	-	-	-	-	-	-
12	X	X	X	X	X	-	-	-	-	-	-
14	X	X	X	X	-	-	-	-	-	-	-
16	X	X	X	X	X	X	X	-	-	-	-
18	-	-	-	X	-	-	-	-	-	-	-
20	X	X	X	X	X	X	X	X	-	-	-
25	X	X	X	X	X	X	X	X	X	-	-
30	X	X	X	X	X	X	X	X	X	X	-
35	X	X	X	X	X	X	X	X	X	X	-
40	X	X	X	X	X	X	X	X	X	X	-
45	-	X	X	X	X	X	X	X	X	X	-
50	-	X	X	X	X	X	X	X	X	X	X
55	-	-	-	-	X	X	X	X	X	X	X
60	-	-	-	-	X	X	X	X	X	X	X
65	-	-	-	-	X	X	X	X	X	X	X
70	-	-	-	-	X	X	X	X	X	X	X
75	-	-	-	-	X	X	X	X	X	X	X
80	-	-	-	-	X	X	X	X	X	X	X
90	-	-	-	-	X	X	X	X	X	X	X
100	-	-	-	-	X	X	X	X	X	X	X
110	-	-	-	-	X	X	X	X	X	X	X
120	-	-	-	-	X	X	X	X	X	X	X
130	-	-	-	-	-	-	X	X	X	X	X
140	-	-	-	-	-	-	X	X	X	X	X
150	-	-	-	-	-	-	X	X	X	X	X