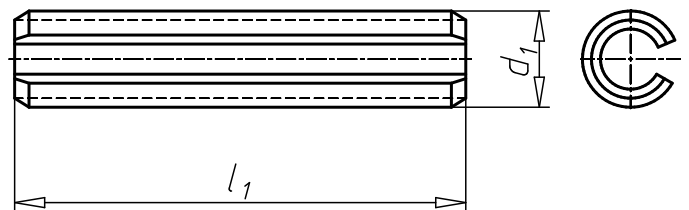


Clamping pin/clamping sleeve, slotted, heavy-duty design

ISO 8752, plain spring steel

- Securing elements, used in a similar way to grooved pins
- For use as sleeves for bolts/screws, predominantly in applications where significant shearing forces occur
- Strain on bolts and screws is relieved, allowing smaller sizes to be used
- 0.2-0.5 mm oversize compared with the nominal diameter guarantees a secure, firm fit
- Tapered end makes it easier to insert the part into the hole
- Pins can be removed again without causing damage



Nominal diameter (d ₁)	Length (l ₁)	Material	Surface	RoHS-compliant	Design	Art. no.	P. Qty.
						0475 7 10	100
				Yes		0475 3 60	1000
				Yes		0475 7 28	250
1 mm	4 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 1 4	1000
1 mm	5 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 1 5	1000
1 mm	6 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 1 6	1000
1 mm	8 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 1 8	1000
1 mm	10 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 1 10	1000
1 mm	12 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 1 12	1000
1 mm	14 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 1 14	1000
1 mm	16 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 1 16	1000
1 mm	18 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 1 18	1000
1 mm	20 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 1 20	1000
1.5 mm	4 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 15 4	1000
1.5 mm	5 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 15 5	1000
1.5 mm	6 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 15 6	1000
1.5 mm	8 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 15 8	1000
1.5 mm	10 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 15 10	1000
1.5 mm	12 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 15 12	5000
1.5 mm	14 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 15 14	1000
1.5 mm	16 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 15 16	5000
1.5 mm	18 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 15 18	2000
1.5 mm	20 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 15 20	1000
1.5 mm	26 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 15 26	5000
2 mm	4 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 2 4	1000
2 mm	5 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 2 5	1000
2 mm	6 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 2 6	1000
2 mm	8 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 2 8	100/1000
2 mm	10 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 2 10	100/1000

Nominal diameter (d ₁)	Length (l ₁)	Material	Surface	RoHS-compliant	Design	Art. no.	P. Qty.
2 mm	12 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 2 12	100/1000
2 mm	14 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 2 14	100/2000
2 mm	16 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 2 16	100/5000
2 mm	18 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 2 18	100
2 mm	20 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 2 20	100/1000
2 mm	22 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 2 22	100
2 mm	26 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 2 26	1000
2 mm	28 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 2 28	1000
2 mm	30 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 2 30	100
2 mm	32 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 2 32	1000
2 mm	40 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 2 40	100
2.5 mm	4 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 26 4	1000
2.5 mm	5 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 26 5	1000
2.5 mm	6 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 25 6	1000
2.5 mm	8 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 26 8	1000
2.5 mm	10 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 26 10	1000
2.5 mm	12 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 26 12	1000
2.5 mm	14 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 26 14	1000
2.5 mm	16 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 26 16	1000
2.5 mm	18 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 26 18	1000
2.5 mm	20 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 26 20	1000
2.5 mm	22 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 26 22	1000
2.5 mm	24 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 26 24	1000
2.5 mm	26 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 26 26	1000
2.5 mm	28 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 26 28	1000
2.5 mm	30 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 26 30	500
2.5 mm	32 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 26 32	1000
3 mm	4 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 3 4	1000
3 mm	5 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 3 5	1000
3 mm	6 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 3 6	100
3 mm	8 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 3 8	100
3 mm	10 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 3 10	100
3 mm	12 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 3 12	100
3 mm	14 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 3 14	100
3 mm	16 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 3 16	100
3 mm	18 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 3 18	100
3 mm	20 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 3 20	100
3 mm	22 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 3 22	100
3 mm	24 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 3 24	100
3 mm	26 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 3 26	100
3 mm	28 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 3 28	100
3 mm	30 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 3 30	100
3 mm	32 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 3 32	100
3 mm	35 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 3 35	1000
3 mm	36 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 3 36	100
3 mm	40 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 3 40	100
3 mm	45 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 3 45	1000
3 mm	50 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 3 50	50
3 mm	55 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 3 55	500
3.5 mm	4 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 35 4	1000
3.5 mm	5 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 35 5	1
3.5 mm	6 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 35 6	1000
3.5 mm	8 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 35 8	1000
3.5 mm	10 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 35 10	1000

Nominal diameter (d ₁)	Length (l ₁)	Material	Surface	RoHS-compliant	Design	Art. no.	P. Qty.
3.5 mm	12 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 35 12	1000
3.5 mm	14 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 35 14	1000
3.5 mm	16 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 35 16	3000
3.5 mm	18 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 35 18	1000
3.5 mm	20 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 35 20	1000
3.5 mm	22 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 35 22	500
3.5 mm	24 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 35 24	1000
3.5 mm	26 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 35 26	1000
3.5 mm	28 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 35 28	500
3.5 mm	30 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 35 30	50/1000
3.5 mm	32 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 35 32	1000
3.5 mm	36 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 35 36	250
3.5 mm	40 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 35 40	1000
3.5 mm	45 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 35 45	250
3.5 mm	50 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 35 50	50
3.5 mm	55 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 35 55	250
3.5 mm	60 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 35 60	250
3.5 mm	80 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 35 80	10
4 mm	4 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 4 4	500
4 mm	5 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 4 5	500
4 mm	6 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 4 6	1000
4 mm	8 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 4 8	100/500
4 mm	10 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 4 10	100/1000
4 mm	12 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 4 12	100
4 mm	14 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 4 14	100
4 mm	16 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 4 16	100
4 mm	18 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 4 18	100
4 mm	20 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 4 20	100
4 mm	22 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 4 22	100
4 mm	24 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 4 24	100
4 mm	26 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 4 26	100/500
4 mm	28 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 4 28	100
4 mm	30 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 4 30	100
4 mm	32 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 4 32	100/500
4 mm	35 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 4 35	500
4 mm	36 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 4 36	100
4 mm	40 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 4 40	100
4 mm	45 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 4 45	100
4 mm	50 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 4 50	100
4 mm	55 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 4 55	250
4 mm	60 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 4 60	100
4 mm	65 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 4 65	500
4 mm	70 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 4 70	500
4.5 mm	5 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 45 5	500
4.5 mm	8 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 45 8	500
4.5 mm	10 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 45 10	1000
4.5 mm	12 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 45 12	500
4.5 mm	14 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 45 14	500
4.5 mm	16 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 45 16	500
4.5 mm	18 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 45 18	500
4.5 mm	20 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 45 20	100
4.5 mm	22 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 45 22	1000
4.5 mm	24 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 45 24	500
4.5 mm	25 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 45 25	2000

Nominal diameter (d ₁)	Length (l ₁)	Material	Surface	RoHS-compliant	Design	Art. no.	P. Qty.
4.5 mm	26 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 45 26	500
4.5 mm	28 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 45 28	500
4.5 mm	30 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 45 30	100
4.5 mm	32 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 45 32	500
4.5 mm	35 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 45 35	500
4.5 mm	36 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 45 36	500
4.5 mm	40 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 45 40	100
4.5 mm	45 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 45 45	500
4.5 mm	50 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 45 50	100
5 mm	5 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 5 5	500
5 mm	6 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 5 6	500
5 mm	8 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 5 8	500
5 mm	10 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 5 10	500
5 mm	12 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 5 12	200
5 mm	14 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 5 14	100
5 mm	16 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 5 16	100
5 mm	18 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 5 18	100
5 mm	20 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 5 20	100
5 mm	22 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 5 22	100
5 mm	24 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 5 24	100
5 mm	25 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 5 25	100
5 mm	26 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 5 26	100
5 mm	28 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 5 28	100
5 mm	30 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 5 30	100
5 mm	32 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 5 32	100
5 mm	35 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 5 35	500
5 mm	36 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 5 36	100
5 mm	40 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 5 40	100
5 mm	45 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 5 45	100
5 mm	50 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 5 50	100
5 mm	55 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 5 55	100
5 mm	60 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 5 60	100
5 mm	65 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 5 65	500
5 mm	70 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 5 70	100
5 mm	75 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 5 75	500
5 mm	80 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 5 80	100
5 mm	90 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 5 90	250
6 mm	8 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 8	500
6 mm	10 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 10	100
6 mm	12 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 12	100
6 mm	14 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 14	500
6 mm	16 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 16	100/1000
6 mm	18 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 18	100
6 mm	20 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 20	100
6 mm	22 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 22	100
6 mm	24 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 24	100
6 mm	25 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 25	100
6 mm	26 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 26	100
6 mm	28 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 28	100
6 mm	30 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 30	100/500
6 mm	32 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 32	100
6 mm	35 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 35	500
6 mm	36 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 36	100
6 mm	40 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 40	100

Nominal diameter (d ₁)	Length (l ₁)	Material	Surface	RoHS-compliant	Design	Art. no.	P. Qty.
6 mm	45 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 45	100
6 mm	50 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 50	100
6 mm	55 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 55	250
6 mm	60 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 60	100
6 mm	65 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 65	250
6 mm	70 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 70	100
6 mm	75 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 75	250
6 mm	80 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 80	100
6 mm	85 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 85	250
6 mm	90 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 90	50
6 mm	95 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 95	250
6 mm	100 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 6 100	50
6.5 mm	26 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 65 26	100
7 mm	16 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 7 16	500
7 mm	18 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 7 18	500
7 mm	25 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 7 25	250
7 mm	30 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 7 30	250
7 mm	36 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 7 36	500
7 mm	40 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 7 40	50
7 mm	45 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 7 45	500
7 mm	50 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 7 50	50
7 mm	60 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 7 60	50
7 mm	70 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 7 70	50
7 mm	80 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 7 80	50
7 mm	90 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 7 90	50
8 mm	12 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 12	500
8 mm	14 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 14	500
8 mm	16 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 16	100
8 mm	18 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 18	500
8 mm	20 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 20	100
8 mm	22 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 22	500
8 mm	24 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 24	100
8 mm	25 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 25	250
8 mm	26 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 26	100
8 mm	28 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 28	250
8 mm	30 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 30	100/250
8 mm	32 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 32	100/250
8 mm	35 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 35	250
8 mm	36 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 36	100/250
8 mm	40 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 40	50/250
8 mm	45 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 45	50
8 mm	48 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 48	250
8 mm	50 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 50	50
8 mm	55 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 55	50
8 mm	60 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 60	50
8 mm	65 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 65	250
8 mm	70 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 70	50
8 mm	75 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 75	250
8 mm	80 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 80	50
8 mm	85 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 85	100
8 mm	90 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 90	50
8 mm	95 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 95	100
8 mm	100 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 100	50
8 mm	120 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 8 120	100

Nominal diameter (d ₁)	Length (l ₁)	Material	Surface	RoHS-compliant	Design	Art. no.	P. Qty.
9 mm	40 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 09 40	50
9 mm	50 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 9 50	200
10 mm	10 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 10	500
10 mm	12 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 12	1000
10 mm	14 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 14	500
10 mm	16 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 16	500
10 mm	18 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 18	500
10 mm	20 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 20	100
10 mm	22 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 22	500
10 mm	24 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 24	500
10 mm	26 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 26	500
10 mm	28 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 28	100
10 mm	30 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 30	100
10 mm	32 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 32	100
10 mm	35 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 35	250
10 mm	36 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 36	250
10 mm	40 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 40	50
10 mm	45 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 45	50
10 mm	50 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 50	50
10 mm	55 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 55	250
10 mm	60 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 60	50
10 mm	65 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 65	100
10 mm	70 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 70	25
10 mm	75 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 75	100
10 mm	80 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 80	25
10 mm	85 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 85	100
10 mm	90 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 90	25
10 mm	95 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 95	100
10 mm	100 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 100	25
10 mm	110 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 110	100
10 mm	120 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 120	25
10 mm	140 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 140	50
10 mm	160 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 10 160	50
12 mm	10 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 10	500
12 mm	12 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 12	500
12 mm	14 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 14	500
12 mm	16 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 16	100
12 mm	18 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 18	500
12 mm	22 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 22	100
12 mm	24 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 24	250
12 mm	26 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 26	250
12 mm	28 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 28	250
12 mm	30 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 30	50
12 mm	32 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 32	250
12 mm	35 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 35	500
12 mm	36 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 36	200
12 mm	40 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 40	50
12 mm	45 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 45	200
12 mm	50 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 50	25/100
12 mm	55 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 55	100
12 mm	60 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 60	25
12 mm	65 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 65	100
12 mm	70 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 70	25
12 mm	75 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 75	100

Nominal diameter (d ₁)	Length (l ₁)	Material	Surface	RoHS-compliant	Design	Art. no.	P. Qty.
12 mm	80 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 80	25
12 mm	85 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 85	50
12 mm	90 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 90	50
12 mm	95 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 95	200
12 mm	100 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 100	25
12 mm	110 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 110	100
12 mm	120 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 120	25
12 mm	140 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 140	50
12 mm	160 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 12 160	50
13 mm	10 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 13 10	100
13 mm	14 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 13 14	500
13 mm	16 mm	Steel	Plain	Yes	Heavy-duty design	0475 13 16	100
13 mm	20 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 13 20	500
13 mm	22 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 13 22	100
13 mm	24 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 13 24	250
13 mm	26 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 13 26	250
13 mm	28 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 13 28	250
13 mm	30 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 13 30	250
13 mm	32 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 13 32	200
13 mm	36 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 13 36	100
13 mm	40 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 13 40	100
13 mm	45 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 13 45	100
13 mm	50 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 13 50	100
13 mm	55 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 13 55	100
13 mm	60 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 13 60	100
13 mm	65 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 13 65	100
13 mm	70 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 13 70	25/100
13 mm	75 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 13 75	100
13 mm	80 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 13 80	25/50
13 mm	85 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 13 85	50
13 mm	90 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 13 90	25
13 mm	95 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 13 95	50
13 mm	120 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 13 120	10
13 mm	140 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 13 140	20
13 mm	180 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 13 180	100
14 mm	12 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 14 12	25
14 mm	14 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 14 14	50
14 mm	18 mm	Steel	Plain	Yes	Heavy-duty design	0475 14 18	250
14 mm	20 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 14 20	250
14 mm	22 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 14 22	250
14 mm	24 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 14 24	250
14 mm	26 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 14 26	100
14 mm	28 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 14 28	200
14 mm	30 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 14 30	200
14 mm	32 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 14 32	100
14 mm	36 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 14 36	100
14 mm	40 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 14 40	100
14 mm	45 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 14 45	100
14 mm	50 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 14 50	100
14 mm	55 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 14 55	100
14 mm	60 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 14 60	100
14 mm	65 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 14 65	100
14 mm	70 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 14 70	100
14 mm	80 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 14 80	25/50

Nominal diameter (d ₁)	Length (l ₁)	Material	Surface	RoHS-compliant	Design	Art. no.	P. Qty.
14 mm	85 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 14 85	100
14 mm	90 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 14 90	50
14 mm	95 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 14 95	50
14 mm	100 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 14 100	100
14 mm	110 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 14 110	50
14 mm	120 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 14 120	25
14 mm	140 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 14 140	50
14 mm	200 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 14 200	10
16 mm	10 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 10	100
16 mm	14 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 14	250
16 mm	16 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 16	100
16 mm	20 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 20	250
16 mm	22 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 22	250
16 mm	24 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 24	50
16 mm	26 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 26	200
16 mm	28 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 28	100
16 mm	30 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 30	100
16 mm	32 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 32	100
16 mm	35 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 35	100
16 mm	36 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 36	100
16 mm	40 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 40	50
16 mm	45 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 45	50
16 mm	50 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 50	50
16 mm	55 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 55	50
16 mm	60 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 60	50
16 mm	65 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 65	50
16 mm	70 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 70	50
16 mm	75 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 75	25
16 mm	80 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 80	10
16 mm	85 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 85	50
16 mm	90 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 90	50
16 mm	95 mm	Steel	Plain	Yes	Heavy-duty design	0475 16 95	25
16 mm	100 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 100	25
16 mm	110 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 110	50
16 mm	120 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 120	50
16 mm	130 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 130	50
16 mm	140 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 140	10
16 mm	160 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 160	10
16 mm	180 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 180	10
16 mm	200 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 16 200	10
18 mm	20 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 18 20	10
18 mm	24 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 18 24	100
18 mm	26 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 18 26	100
18 mm	28 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 18 28	100
18 mm	30 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 18 30	100
18 mm	32 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 18 32	50
18 mm	35 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 18 35	100
18 mm	36 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 18 36	100
18 mm	40 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 18 40	100
18 mm	45 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 18 45	100
18 mm	50 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 18 50	50
18 mm	60 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 18 60	25
18 mm	65 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 18 65	100
18 mm	70 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 18 70	50

Nominal diameter (d ₁)	Length (l ₁)	Material	Surface	RoHS-compliant	Design	Art. no.	P. Qty.
18 mm	75 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 18 75	50
18 mm	80 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 18 80	50
18 mm	85 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 18 85	50
18 mm	90 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 18 90	50
18 mm	100 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 18 100	50
18 mm	120 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 18 120	50
18 mm	130 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 18 130	25
18 mm	140 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 18 140	25
18 mm	160 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 18 160	20
18 mm	180 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 18 180	25
18 mm	200 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 18 200	60
20 mm	14 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 20 14	200
20 mm	16 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 20 16	200
20 mm	20 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 20 20	50
20 mm	22 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 20 22	100
20 mm	24 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 20 24	100
20 mm	26 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 20 26	100
20 mm	30 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 20 30	100
20 mm	32 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 20 32	100
20 mm	35 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 20 35	20
20 mm	40 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 20 40	50
20 mm	45 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 20 45	50
20 mm	50 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 20 50	50
20 mm	55 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 20 55	50
20 mm	60 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 20 60	50
20 mm	65 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 20 65	50
20 mm	70 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 20 70	25
20 mm	75 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 20 75	25
20 mm	80 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 20 80	25
20 mm	90 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 20 90	25
20 mm	95 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 20 95	25
20 mm	100 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 20 100	20
20 mm	110 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 20 110	1
20 mm	120 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 20 120	25
20 mm	140 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 20 140	10
20 mm	150 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 20 150	5
20 mm	160 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 20 160	10
20 mm	180 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 20 180	10
20 mm	200 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 20 200	10
21 mm	12 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 21 12	30
21 mm	18 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 21 18	100
21 mm	20 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 21 20	1
21 mm	24 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 21 24	100
21 mm	28 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 21 28	50
21 mm	30 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 21 30	100
21 mm	32 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 21 32	100
21 mm	35 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 21 35	1
21 mm	40 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 21 40	50
21 mm	45 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 21 45	50
21 mm	50 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 21 50	50
21 mm	55 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 21 55	50
21 mm	60 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 21 60	25
21 mm	65 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 21 65	25
21 mm	70 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 21 70	25

Nominal diameter (d ₁)	Length (l ₁)	Material	Surface	RoHS-compliant	Design	Art. no.	P. Qty.
21 mm	75 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 21 75	25
21 mm	80 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 21 80	50
21 mm	85 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 21 85	25
21 mm	90 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 21 90	25
21 mm	95 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 21 95	25
21 mm	100 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 21 100	50
21 mm	110 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 21 110	5
21 mm	120 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 21 120	10
21 mm	130 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 21 130	1
21 mm	140 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 21 140	25
21 mm	160 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 21 160	25
21 mm	180 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 21 180	10
21 mm	200 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 21 200	10
22 mm	100 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 22 100	10
22 mm	140 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 22 140	5
25 mm	26 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 25 26	20
25 mm	40 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 25 40	10
25 mm	45 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 25 45	1
25 mm	50 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 25 50	25
25 mm	55 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 25 55	25
25 mm	60 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 25 60	25
25 mm	65 mm	Steel	Plain	Yes		0475 25 65	25
25 mm	70 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 25 70	10
25 mm	80 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 25 80	20
25 mm	85 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 25 85	25
25 mm	90 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 25 90	50
25 mm	95 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 25 95	25
25 mm	100 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 25 100	25
25 mm	120 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 25 120	10
25 mm	140 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 25 140	10
25 mm	150 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 25 150	10
25 mm	160 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 25 160	10
25 mm	175 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 25 175	10
25 mm	180 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 25 180	10
25 mm	200 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 25 200	5
28 mm	18 mm	Steel	Plain	Yes	Heavy-duty design	0475 28 18	1
28 mm	20 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 28 20	1
28 mm	22 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 28 22	10
28 mm	24 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 28 24	20
28 mm	28 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 28 28	40
28 mm	30 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 28 30	50
28 mm	32 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 28 32	25
28 mm	35 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 28 35	10
28 mm	40 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 28 40	10
28 mm	45 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 28 45	10
28 mm	50 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 28 50	50
28 mm	55 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 28 55	10
28 mm	65 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 28 65	25
28 mm	70 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 28 70	10
28 mm	75 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 28 75	100
28 mm	80 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 28 80	10
28 mm	90 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 28 90	1
28 mm	100 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 28 100	1
28 mm	120 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 28 120	10

Nominal diameter (d ₁)	Length (l ₁)	Material	Surface	RoHS-compliant	Design	Art. no.	P. Qty.
28 mm	170 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 28 170	1
30 mm	40 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 30 40	1
30 mm	50 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 30 50	1
30 mm	60 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 30 60	10
30 mm	70 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 30 70	10
30 mm	75 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 30 75	10
30 mm	80 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 30 80	10
30 mm	85 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 30 85	25
30 mm	90 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 30 90	5
30 mm	100 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 30 100	25
30 mm	110 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 30 110	25
30 mm	120 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 30 120	10
30 mm	140 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 30 140	10
30 mm	160 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 30 160	10
30 mm	200 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 30 200	10
32 mm	20 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 32 20	25
32 mm	36 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 32 36	1
32 mm	45 mm	Steel	Plain	Yes	Heavy-duty design	0475 32 45	1
32 mm	50 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 32 50	10
32 mm	55 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 32 55	1
32 mm	60 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 32 60	10
32 mm	70 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 32 70	10
32 mm	75 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 32 75	1
32 mm	80 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 32 80	1
32 mm	90 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 32 90	1
32 mm	100 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 32 100	10
32 mm	120 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 32 120	10
35 mm	40 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 36 40	1
35 mm	45 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 36 45	10
35 mm	55 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 36 55	1
35 mm	60 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 36 60	1
35 mm	65 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 36 65	1
35 mm	70 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 36 70	5
35 mm	75 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 36 75	5
35 mm	80 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 36 80	10
35 mm	85 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 36 85	1
35 mm	90 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 36 90	5
35 mm	100 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 36 100	10
35 mm	110 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 36 110	1
35 mm	120 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 36 120	1
35 mm	140 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 36 140	5
35 mm	160 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 36 160	1
35 mm	170 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 36 170	1
38 mm	55 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 38 55	1
40 mm	36 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 40 36	10
40 mm	40 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 40 40	10
40 mm	45 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 40 45	1
40 mm	50 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 40 50	1
40 mm	55 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 40 55	100
40 mm	60 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 40 60	1
40 mm	65 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 40 65	1
40 mm	70 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 40 70	1
40 mm	75 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 40 75	5
40 mm	80 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 40 80	10

Nominal diameter (d ₁)	Length (l ₁)	Material	Surface	RoHS-compliant	Design	Art. no.	P. Qty.
40 mm	85 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 40 85	5
40 mm	90 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 40 90	1
40 mm	100 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 40 100	5
40 mm	120 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 40 120	5
40 mm	140 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 40 140	5
40 mm	150 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 40 150	4
40 mm	160 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 40 160	1
40 mm	175 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 40 175	10
45 mm	90 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 45 90	1
45 mm	95 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 45 95	1
45 mm	160 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 45 160	1
50 mm	22 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 50 22	1
50 mm	30 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 50 30	1
50 mm	40 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 50 40	1
50 mm	45 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 50 45	5
50 mm	50 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 50 50	10
50 mm	85 mm	Steel	Plain	Yes	Heavy-duty design	0475 50 85	1
50 mm	100 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 50 100	5
50 mm	180 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 50 180	1
50 mm	200 mm	Spring steel	Plain	Yes	Heavy-duty design	0475 50 200	1

Can be stored in ORSY® system

Notice

The hole diameter is the same as the nominal diameter (tolerance 12 H).