



Referenz Nummer	Außendurchmesse r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) L ₀	Steifheit (DaN/mm)	Länge maximal (mm)
R 1.5X0.22X6.4	1.5	0.22	6.4	0.0555	12.1
R 1.5X0.22X7.9	1.5	0.22	7.9	0.0414	15.5
R 1.5X0.22X12	1.5	0.22	12.0	0.0250	24.6
R 1.5X0.22X15.9	1.5	0.22	15.9	0.0179	33.5
R 1.5X0.22X19	1.5	0.22	19.0	0.0147	40.4
R 1.5X0.22X22	1.5	0.22	22.0	0.0124	47.3
R 1.6X0.2X6.3	1.6	0.20	6.3	0.0290	14.3
R 1.6X0.2X6.4	1.6	0.20	6.4	0.0276	14.8
R 1.6X0.2X7.9	1.6	0.20	7.9	0.0208	19.0
R 1.6X0.2X8	1.6	0.20	8.0	0.0201	19.5
R 1.6X0.2X8.6	1.6	0.20	8.6	0.0183	21.3
R 1.6X0.2X9.5	1.6	0.20	9.5	0.0163	23.7
R 1.6X0.2X9.7	1.6	0.20	9.7	0.0158	24.3
R 1.6X0.2X10	1.6	0.20	10.0	0.0150	25.4
R 1.6X0.2X11.1	1.6	0.20	11.1	0.0133	28.4
R 1.6X0.2X11.2	1.6	0.20	11.2	0.0131	28.9
R 1.6X0.2X12.5	1.6	0.20	12.5	0.0115	32.6
R 1.6X0.2X12.7	1.6	0.20	12.7	0.0113	33.2
R 1.6X0.2X15.7	1.6	0.20	15.7	0.0088	42.0
R 1.6X0.2X15.9	1.6	0.20	15.9	0.0087	42.6
R 1.6X0.2X16	1.6	0.20	16.0	0.0085	43.1
R 1.6X0.2X19	1.6	0.20	19.0	0.0070	51.9
R 1.6X0.2X19.1	1.6	0.20	19.1	0.0070	52.0
R 1.6X0.2X20	1.6	0.20	20.0	0.0066	54.9
R 1.6X0.2X22	1.6	0.20	22.0	0.0060	60.8
R 1.6X0.2X25	1.6	0.20	25.0	0.0052	69.6
R 1.6X0.22X6.3	1.6	0.22	6.3	0.0466	12.7
R 1.6X0.22X6.4	1.6	0.22	6.4	0.0466	12.8

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 1.6X0.22X7.9	1.6	0.22	7.9	0.0343	16.6
R 1.6X0.22X8	1.6	0.22	8.0	0.0343	16.7
R 1.6X0.22X9.5	1.6	0.22	9.5	0.0271	20.5
R 1.6X0.22X9.7	1.6	0.22	9.7	0.0263	21.1
R 1.6X0.22X10	1.6	0.22	10.0	0.0249	22.0
R 1.6X0.22X11.1	1.6	0.22	11.1	0.0219	24.8
R 1.6X0.22X11.2	1.6	0.22	11.2	0.0219	24.9
R 1.6X0.22X12.5	1.6	0.22	12.5	0.0191	28.1
R 1.6X0.22X12.7	1.6	0.22	12.7	0.0187	28.7
R 1.6X0.22X15.1	1.6	0.22	15.1	0.0153	34.7
R 1.6X0.22X15.7	1.6	0.22	15.7	0.0148	35.9
R 1.6X0.22X15.9	1.6	0.22	15.9	0.0145	36.5
R 1.6X0.22X16	1.6	0.22	16.0	0.0143	36.9
R 1.6X0.22X19	1.6	0.22	19.0	0.0119	44.2
R 1.6X0.22X19.1	1.6	0.22	19.1	0.0117	44.6
R 1.6X0.22X20	1.6	0.22	20.0	0.0111	46.8
R 1.6X0.28X6.4	1.6	0.28	6.4	0.1756	9.6
R 1.6X0.28X7.9	1.6	0.28	7.9	0.1266	12.4
R 1.6X0.28X9.5	1.6	0.28	9.5	0.1027	15.0
R 1.6X0.28X9.7	1.6	0.28	9.7	0.0990	15.4
R 1.6X0.28X11.1	1.6	0.28	11.1	0.0838	17.9
R 1.6X0.28X11.2	1.6	0.28	11.2	0.0813	18.2
R 1.6X0.28X12.7	1.6	0.28	12.7	0.0707	20.7
R 1.6X0.28X14.3	1.6	0.28	14.3	0.0612	23.5
R 1.6X0.28X15.7	1.6	0.28	15.7	0.0550	26.0
R 1.6X0.28X15.9	1.6	0.28	15.9	0.0550	26.2
R 1.6X0.28X19	1.6	0.28	19.0	0.0450	31.6
R 1.6X0.28X19.1	1.6	0.28	19.1	0.0443	31.9
R 2X0.22X10	2.0	0.22	10.0	0.0126	29.7
R 2X0.22X12.5	2.0	0.22	12.5	0.0095	38.7
R 2X0.22X15.7	2.0	0.22	15.7	0.0071	50.7
R 2X0.22X15.9	2.0	0.22	15.9	0.0071	50.9
R 2X0.22X16	2.0	0.22	16.0	0.0070	51.6
R 2X0.22X19.1	2.0	0.22	19.1	0.0057	62.9
R 2X0.22X20	2.0	0.22	20.0	0.0054	66.2
R 2X0.22X22	2.0	0.22	22.0	0.0048	73.5
R 2X0.22X25	2.0	0.22	25.0	0.0042	84.7
R 2X0.22X32	2.0	0.22	32.0	0.0032	110.5
R 2X0.25X10	2.0	0.25	10.0	0.0252	24.0
R 2X0.25X12.5	2.0	0.25	12.5	0.0188	31.2
R 2X0.25X16	2.0	0.25	16.0	0.0139	41.3

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 2X0.25X20	2.0	0.25	20.0	0.0107	52.9
R 2X0.25X25	2.0	0.25	25.0	0.0083	67.3
R 2X0.25X32	2.0	0.25	32.0	0.0063	87.6
R 2X0.28X9.7	2.0	0.28	9.7	0.0483	19.6
R 2X0.28X10	2.0	0.28	10.0	0.0464	20.2
R 2X0.28X12.5	2.0	0.28	12.5	0.0347	26.2
R 2X0.28X15.9	2.0	0.28	15.9	0.0259	34.3
R 2X0.28X16	2.0	0.28	16.0	0.0259	34.4
R 2X0.28X20	2.0	0.28	20.0	0.0197	44.2
R 2X0.28X25	2.0	0.28	25.0	0.0153	56.1
R 2X0.28X32	2.0	0.28	32.0	0.0117	72.8
R 2X0.3X50	2.0	0.30	50.0	0.0106	104.0
R 2X0.32X10	2.0	0.32	10.0	0.0959	17.1
R 2X0.32X12.5	2.0	0.32	12.5	0.0715	22.0
R 2X0.32X16	2.0	0.32	16.0	0.0530	28.8
R 2X0.32X20	2.0	0.32	20.0	0.0413	36.4
R 2X0.32X25	2.0	0.32	25.0	0.0320	46.2
R 2X0.32X32	2.0	0.32	32.0	0.0244	59.8
R 2.1X0.22X6.4	2.1	0.22	6.4	0.0218	17.4
R 2.1X0.22X7.9	2.1	0.22	7.9	0.0160	22.9
R 2.1X0.22X9.5	2.1	0.22	9.5	0.0118	29.8
R 2.1X0.22X9.7	2.1	0.22	9.7	0.0114	30.7
R 2.1X0.22X11.1	2.1	0.22	11.1	0.0096	36.0
R 2.1X0.22X11.2	2.1	0.22	11.2	0.0096	36.1
R 2.2X0.2X4.4	2.2	0.20	4.4	0.0313	10.1
R 2.2X0.2X8	2.2	0.20	8.0	0.0083	29.3
R 2.2X0.2X11	2.2	0.20	11.0	0.0052	45.4
R 2.2X0.2X11.1	2.2	0.20	11.1	0.0050	46.4
R 2.2X0.2X20	2.2	0.20	20.0	0.0024	93.6
R 2.2X0.25X5.9	2.2	0.25	5.9	0.0467	12.9
R 2.2X0.25X8	2.2	0.25	8.0	0.0262	20.4
R 2.2X0.25X9.2	2.2	0.25	9.2	0.0219	24.0
R 2.2X0.25X12.9	2.2	0.25	12.9	0.0136	36.8
R 2.2X0.25X14.7	2.2	0.25	14.7	0.0115	42.8
R 2.2X0.25X16.4	2.2	0.25	16.4	0.0100	48.8
R 2.2X0.25X18.4	2.2	0.25	18.4	0.0087	55.6
R 2.2X0.25X20.4	2.2	0.25	20.4	0.0077	62.5
R 2.2X0.25X22.4	2.2	0.25	22.4	0.0069	69.3
R 2.2X0.25X26	2.2	0.25	26.0	0.0058	82.0
R 2.2X0.25X30	2.2	0.25	30.0	0.0049	95.7
R 2.2X0.32X4.7	2.2	0.32	4.7	0.2923	6.9

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 2.2X0.32X6	2.2	0.32	6.0	0.1692	9.7
R 2.2X0.32X7.9	2.2	0.32	7.9	0.1037	14.0
R 2.2X0.32X10.8	2.2	0.32	10.8	0.0656	20.4
R 2.2X0.32X15.1	2.2	0.32	15.1	0.0418	30.2
R 2.2X0.32X15.6	2.2	0.32	15.6	0.0407	31.1
R 2.2X0.32X16.7	2.2	0.32	16.7	0.0370	33.7
R 2.2X0.32X18.2	2.2	0.32	18.2	0.0331	37.2
R 2.2X0.32X22	2.2	0.32	22.0	0.0270	45.3
R 2.2X0.32X24.8	2.2	0.32	24.8	0.0235	51.6
R 2.2X0.32X26	2.2	0.32	26.0	0.0222	54.4
R 2.2X0.32X27	2.2	0.32	27.0	0.0213	56.6
R 2.2X0.32X30	2.2	0.32	30.0	0.0190	63.1
R 2.3X0.25X6.8	2.3	0.25	6.8	0.0319	16.6
R 2.3X0.32X6	2.3	0.32	6.0	0.1449	10.2
R 2.3X0.32X8	2.3	0.32	8.0	0.0888	14.8
R 2.3X0.32X9.5	2.3	0.32	9.5	0.0671	18.6
R 2.3X0.32X12.7	2.3	0.32	12.7	0.0451	26.2
R 2.3X0.32X14	2.3	0.32	14.0	0.0399	29.2
R 2.3X0.32X15.9	2.3	0.32	15.9	0.0340	33.8
R 2.3X0.32X18	2.3	0.32	18.0	0.0296	38.5
R 2.3X0.32X19	2.3	0.32	19.0	0.0273	41.3
R 2.3X0.32X19.1	2.3	0.32	19.1	0.0273	41.4
R 2.3X0.32X20	2.3	0.32	20.0	0.0257	43.6
R 2.3X0.32X22	2.3	0.32	22.0	0.0231	48.3
R 2.3X0.32X24	2.3	0.32	24.0	0.0210	52.9
R 2.3X0.32X25	2.3	0.32	25.0	0.0201	55.2
R 2.3X0.32X28	2.3	0.32	28.0	0.0175	62.7
R 2.3X0.32X30	2.3	0.32	30.0	0.0163	67.3
R 2.3X0.32X32	2.3	0.32	32.0	0.0152	72.0
R 2.3X0.35X6.8	2.3	0.35	6.8	0.1793	11.1
R 2.3X0.4X9.7	2.3	0.40	9.7	0.2173	14.7
R 2.3X0.4X11.2	2.3	0.40	11.2	0.1769	17.4
R 2.3X0.4X12.7	2.3	0.40	12.7	0.1552	19.8
R 2.3X0.4X15.9	2.3	0.40	15.9	0.1170	25.3
R 2.3X0.4X19.1	2.3	0.40	19.1	0.0939	30.8
R 2.3X0.4X22	2.3	0.40	22.0	0.0784	36.0
R 2.3X0.4X25	2.3	0.40	25.0	0.0685	41.0
R 2.3X0.4X28	2.3	0.40	28.0	0.0599	46.3
R 2.3X0.4X30	2.3	0.40	30.0	0.0555	49.7
R 2.3X0.4X32	2.3	0.40	32.0	0.0517	53.2
R 2.3X0.4X34	2.3	0.40	34.0	0.0484	56.6

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 2.3X0.4X36	2.3	0.40	36.0	0.0455	60.0
R 2.3X0.4X42	2.3	0.40	42.0	0.0386	70.4
R 2.3X0.4X46	2.3	0.40	46.0	0.0350	77.2
R 2.3X0.4X50	2.3	0.40	50.0	0.0321	84.1
R 2.4X0.25X7.9	2.4	0.25	7.9	0.0216	21.9
R 2.4X0.25X8.6	2.4	0.25	8.6	0.0186	24.8
R 2.4X0.25X9.5	2.4	0.25	9.5	0.0163	28.0
R 2.4X0.25X9.7	2.4	0.25	9.7	0.0157	28.9
R 2.4X0.25X11.1	2.4	0.25	11.1	0.0127	34.9
R 2.4X0.25X11.2	2.4	0.25	11.2	0.0127	35.0
R 2.4X0.25X12.7	2.4	0.25	12.7	0.0107	41.0
R 2.4X0.25X15.9	2.4	0.25	15.9	0.0079	54.0
R 2.4X0.25X18.2	2.4	0.25	18.2	0.0067	63.1
R 2.4X0.25X19	2.4	0.25	19.0	0.0064	66.1
R 2.4X0.25X19.1	2.4	0.25	19.1	0.0063	67.0
R 2.4X0.25X22	2.4	0.25	22.0	0.0054	78.2
R 2.4X0.25X22.4	2.4	0.25	22.4	0.0052	80.1
R 2.4X0.25X24	2.4	0.25	24.0	0.0049	86.2
R 2.4X0.25X25	2.4	0.25	25.0	0.0046	90.2
R 2.4X0.25X25.4	2.4	0.25	25.4	0.0045	92.2
R 2.4X0.28X7.9	2.4	0.28	7.9	0.0398	18.2
R 2.4X0.28X9.5	2.4	0.28	9.5	0.0292	23.5
R 2.4X0.28X9.7	2.4	0.28	9.7	0.0280	24.4
R 2.4X0.28X11.1	2.4	0.28	11.1	0.0231	28.9
R 2.4X0.28X11.2	2.4	0.28	11.2	0.0231	29.0
R 2.4X0.28X12.7	2.4	0.28	12.7	0.0196	33.6
R 2.4X0.28X15.7	2.4	0.28	15.7	0.0148	43.5
R 2.4X0.28X15.9	2.4	0.28	15.9	0.0144	44.3
R 2.4X0.28X19	2.4	0.28	19.0	0.0116	54.3
R 2.4X0.28X19.1	2.4	0.28	19.1	0.0116	54.4
R 2.4X0.28X22	2.4	0.28	22.0	0.0097	64.1
R 2.4X0.28X22.4	2.4	0.28	22.4	0.0096	65.2
R 2.4X0.28X25	2.4	0.28	25.0	0.0085	73.4
R 2.4X0.28X25.4	2.4	0.28	25.4	0.0083	75.0
R 2.4X0.28X27	2.4	0.28	27.0	0.0078	79.7
R 2.4X0.3X9.5	2.4	0.30	9.5	0.0414	21.4
R 2.4X0.3X9.7	2.4	0.30	9.7	0.0414	21.6
R 2.4X0.3X10.3	2.4	0.30	10.3	0.0379	23.3
R 2.4X0.3X11.2	2.4	0.30	11.2	0.0336	25.9
R 2.4X0.3X12.7	2.4	0.30	12.7	0.0283	30.2
R 2.4X0.3X15.7	2.4	0.30	15.7	0.0215	38.7

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R 2.4X0.3X15.9	2.4	0.30	15.9	0.0210	39.5
R 2.4X0.3X19	2.4	0.30	19.0	0.0170	48.1
R 2.4X0.3X19.1	2.4	0.30	19.1	0.0167	48.8
R 2.4X0.3X22	2.4	0.30	22.0	0.0143	56.6
R 2.4X0.3X22.4	2.4	0.30	22.4	0.0138	58.1
R 2.4X0.3X25.4	2.4	0.30	25.4	0.0120	66.7
R 2.4X0.3X41	2.4	0.30	41.0	0.0070	111.1
R 2.4X0.32X9.7	2.4	0.32	9.7	0.0579	19.8
R 2.4X0.32X11.2	2.4	0.32	11.2	0.0466	23.8
R 2.4X0.32X12.7	2.4	0.32	12.7	0.0402	27.3
R 2.4X0.32X15.7	2.4	0.32	15.7	0.0301	35.2
R 2.4X0.32X19	2.4	0.32	19.0	0.0240	43.5
R 2.4X0.32X22.4	2.4	0.32	22.4	0.0196	52.3
R 2.4X0.32X25.4	2.4	0.32	25.4	0.0171	59.8
R 2.4X0.35X11.2	2.4	0.35	11.2	0.0755	21.1
R 2.4X0.35X12.7	2.4	0.35	12.7	0.0645	24.3
R 2.4X0.35X15.7	2.4	0.35	15.7	0.0486	31.0
R 2.4X0.35X19	2.4	0.35	19.0	0.0390	38.1
R 2.4X0.35X22.4	2.4	0.35	22.4	0.0320	45.7
R 2.4X0.35X25.4	2.4	0.35	25.4	0.0279	52.1
R 2.4X0.35X31.8	2.4	0.35	31.8	0.0215	66.5
R 2.4X0.35X38.1	2.4	0.35	38.1	0.0177	80.3
R 2.4X0.36X9.5	2.4	0.36	9.5	0.1152	16.5
R 2.4X0.36X12.7	2.4	0.36	12.7	0.0761	23.3
R 2.4X0.36X15.9	2.4	0.36	15.9	0.0568	30.1
R 2.4X0.36X19.1	2.4	0.36	19.1	0.0453	36.8
R 2.4X0.36X22	2.4	0.36	22.0	0.0384	42.9
R 2.4X0.36X24	2.4	0.36	24.0	0.0345	47.3
R 2.4X0.36X26	2.4	0.36	26.0	0.0317	51.3
R 2.4X0.36X38	2.4	0.36	38.0	0.0207	76.9
R 2.4X0.36X41	2.4	0.36	41.0	0.0191	83.1
R 2.4X0.36X48	2.4	0.36	48.0	0.0162	97.6
R 2.4X0.4X7.9	2.4	0.40	7.9	0.2608	12.0
R 2.4X0.4X9.5	2.4	0.40	9.5	0.1976	14.9
R 2.4X0.4X9.7	2.4	0.40	9.7	0.1976	15.1
R 2.4X0.4X11.1	2.4	0.40	11.1	0.1590	17.8
R 2.4X0.4X11.2	2.4	0.40	11.2	0.1590	17.9
R 2.4X0.4X12.7	2.4	0.40	12.7	0.1331	20.7
R 2.4X0.4X14.3	2.4	0.40	14.3	0.1144	23.6
R 2.4X0.4X15.7	2.4	0.40	15.7	0.1035	25.9
R 2.4X0.4X16.7	2.4	0.40	16.7	0.0945	27.9

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 2.4X0.4X19	2.4	0.40	19.0	0.0805	32.2
R 2.4X0.4X22.1	2.4	0.40	22.1	0.0686	37.6
R 2.4X0.4X22.4	2.4	0.40	22.4	0.0672	38.2
R 2.4X0.4X23.7	2.4	0.40	23.7	0.0633	40.5
R 2.4X0.4X24	2.4	0.40	24.0	0.0621	41.1
R 2.4X0.4X25	2.4	0.40	25.0	0.0587	43.1
R 2.4X0.4X25.4	2.4	0.40	25.4	0.0577	43.8
R 2.4X0.4X31	2.4	0.40	31.0	0.0462	53.9
R 2.4X0.4X33	2.4	0.40	33.0	0.0432	57.6
R 2.4X0.4X34.2	2.4	0.40	34.2	0.0415	59.7
R 2.4X0.4X38	2.4	0.40	38.0	0.0373	66.5
R 2.4X0.4X41	2.4	0.40	41.0	0.0341	72.1
R 2.4X0.4X48	2.4	0.40	48.0	0.0290	84.6
R 2.5X0.25X12.5	2.5	0.25	12.5	0.0096	43.0
R 2.5X0.25X16	2.5	0.25	16.0	0.0069	58.2
R 2.5X0.25X20	2.5	0.25	20.0	0.0053	75.6
R 2.5X0.25X25	2.5	0.25	25.0	0.0040	97.3
R 2.5X0.25X32	2.5	0.25	32.0	0.0031	127.7
R 2.5X0.28X6.4	2.5	0.28	6.4	0.0545	13.7
R 2.5X0.28X12.5	2.5	0.28	12.5	0.0176	35.0
R 2.5X0.28X16	2.5	0.28	16.0	0.0126	47.5
R 2.5X0.28X20	2.5	0.28	20.0	0.0096	61.2
R 2.5X0.28X25	2.5	0.28	25.0	0.0074	78.7
R 2.5X0.28X32	2.5	0.28	32.0	0.0056	103.0
R 2.5X0.32X12.5	2.5	0.32	12.5	0.0362	28.2
R 2.5X0.32X16	2.5	0.32	16.0	0.0261	37.8
R 2.5X0.32X20	2.5	0.32	20.0	0.0196	48.9
R 2.5X0.32X25	2.5	0.32	25.0	0.0153	62.2
R 2.5X0.32X32	2.5	0.32	32.0	0.0115	81.3
R 2.5X0.35X5.3	2.5	0.35	5.3	0.2797	7.9
R 2.5X0.35X6.8	2.5	0.35	6.8	0.1465	11.7
R 2.5X0.35X8.9	2.5	0.35	8.9	0.0932	16.6
R 2.5X0.35X12.2	2.5	0.35	12.2	0.0603	24.2
R 2.5X0.35X12.5	2.5	0.35	12.5	0.0580	24.9
R 2.5X0.35X16	2.5	0.35	16.0	0.0421	33.1
R 2.5X0.35X17.6	2.5	0.35	17.6	0.0371	37.1
R 2.5X0.35X20	2.5	0.35	20.0	0.0324	42.3
R 2.5X0.35X24.8	2.5	0.35	24.8	0.0250	53.7
R 2.5X0.35X25	2.5	0.35	25.0	0.0246	54.3
R 2.5X0.35X32	2.5	0.35	32.0	0.0186	70.7
R 2.5X0.4X12.5	2.5	0.40	12.5	0.1198	21.1

Referenz Nummer	Außendurchmesse r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 2.5X0.4X16	2.5	0.40	16.0	0.0867	27.9
R 2.5X0.4X20	2.5	0.40	20.0	0.0663	35.5
R 2.5X0.4X25	2.5	0.40	25.0	0.0517	44.9
R 2.5X0.4X32	2.5	0.40	32.0	0.0388	58.5
R 2.5X0.5X7.9	2.5	0.50	7.9	0.7580	10.3
R 2.5X0.5X10.4	2.5	0.50	10.4	0.5135	14.0
R 2.5X0.5X13.4	2.5	0.50	13.4	0.3702	18.3
R 2.5X0.5X15.4	2.5	0.50	15.4	0.3121	21.3
R 2.5X0.5X17.4	2.5	0.50	17.4	0.2698	24.2
R 2.7X0.2X6.2	2.7	0.20	6.2	0.0091	22.7
R 2.7X0.2X8.8	2.7	0.20	8.8	0.0043	43.9
R 2.7X0.2X9.5	2.7	0.20	9.5	0.0037	50.3
R 2.7X0.2X11.8	2.7	0.20	11.8	0.0026	68.3
R 2.7X0.2X15	2.7	0.20	15.0	0.0019	94.4
R 2.7X0.2X18	2.7	0.20	18.0	0.0015	118.9
R 2.7X0.2X24.5	2.7	0.20	24.5	0.0010	172.6
R 2.7X0.4X37	2.7	0.40	37.0	0.0257	74.7
R 2.8X0.2X6.4	2.8	0.20	6.4	0.0081	24.4
R 2.8X0.2X7.9	2.8	0.20	7.9	0.0048	38.3
R 2.8X0.2X9.7	2.8	0.20	9.7	0.0033	54.2
R 2.8X0.2X11.1	2.8	0.20	11.1	0.0026	66.5
R 2.8X0.2X11.2	2.8	0.20	11.2	0.0026	66.6
R 2.8X0.2X15.7	2.8	0.20	15.7	0.0016	107.0
R 2.8X0.2X15.9	2.8	0.20	15.9	0.0016	108.8
R 2.8X0.2X19.1	2.8	0.20	19.1	0.0012	137.0
R 2.8X0.2X22	2.8	0.20	22.0	0.0010	161.7
R 2.8X0.25X6.8	2.8	0.25	6.8	0.0209	19.5
R 2.8X0.25X9.5	2.8	0.25	9.5	0.0107	34.4
R 2.8X0.25X10.1	2.8	0.25	10.1	0.0098	37.2
R 2.8X0.25X13.8	2.8	0.25	13.8	0.0061	57.5
R 2.8X0.25X15.6	2.8	0.25	15.6	0.0052	67.0
R 2.8X0.25X17.3	2.8	0.25	17.3	0.0045	76.4
R 2.8X0.25X19.3	2.8	0.25	19.3	0.0039	87.3
R 2.8X0.25X21.3	2.8	0.25	21.3	0.0035	98.1
R 2.8X0.25X23.3	2.8	0.25	23.3	0.0031	109.0
R 2.8X0.28X9.5	2.8	0.28	9.5	0.0191	28.4
R 2.8X0.28X19.1	2.8	0.28	19.1	0.0072	69.3
R 2.8X0.3X32	2.8	0.30	32.0	0.0056	109.0
R 2.8X0.32X7.6	2.8	0.32	7.6	0.0609	16.1
R 2.8X0.32X11.8	2.8	0.32	11.8	0.0275	30.6
R 2.8X0.32X16.6	2.8	0.32	16.6	0.0173	46.5

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 2.8X0.32X18.9	2.8	0.32	18.9	0.0147	54.0
R 2.8X0.32X21.1	2.8	0.32	21.1	0.0129	61.4
R 2.8X0.32X23.7	2.8	0.32	23.7	0.0112	69.9
R 2.8X0.32X26.2	2.8	0.32	26.2	0.0099	78.3
R 2.8X0.32X28.8	2.8	0.32	28.8	0.0089	86.8
R 2.8X0.55X8.7	2.8	0.55	8.7	0.8615	11.2
R 2.8X0.55X12.1	2.8	0.55	12.1	0.4960	16.5
R 2.8X0.55X17	2.8	0.55	17.0	0.3340	23.5
R 2.8X0.55X25.3	2.8	0.55	25.3	0.2021	36.0
R 2.8X0.55X36.3	2.8	0.55	36.3	0.1353	52.3
R 2.9X0.4X8.5	2.9	0.40	8.5	0.1451	14.8
R 2.9X0.4X14	2.9	0.40	14.0	0.0655	28.0
R 2.9X0.4X18.7	2.9	0.40	18.7	0.0445	39.2
R 2.9X0.4X19.7	2.9	0.40	19.7	0.0423	41.3
R 2.9X0.4X22.6	2.9	0.40	22.6	0.0351	48.6
R 2.9X0.4X25.3	2.9	0.40	25.3	0.0312	54.6
R 2.9X0.4X28.5	2.9	0.40	28.5	0.0271	62.2
R 2.9X0.4X34.9	2.9	0.40	34.9	0.0215	77.4
R 2.9X0.4X42	2.9	0.40	42.0	0.0175	94.3
R 2.9X0.4X50	2.9	0.40	50.0	0.0145	113.3
R 2.9X0.45X6.8	2.9	0.45	6.8	0.3788	10.1
R 3X0.2X8.6	3.0	0.20	8.6	0.0035	48.2
R 3X0.2X13	3.0	0.20	13.0	0.0017	93.0
R 3X0.2X17.4	3.0	0.20	17.4	0.0011	137.9
R 3X0.2X21.8	3.0	0.20	21.8	0.0008	182.8
R 3X0.35X15.7	3.0	0.35	15.7	0.0245	41.1
R 3X0.35X19	3.0	0.35	19.0	0.0193	51.2
R 3X0.35X22.4	3.0	0.35	22.4	0.0156	62.1
R 3X0.35X25.4	3.0	0.35	25.4	0.0134	72.0
R 3X0.35X28.4	3.0	0.35	28.4	0.0118	81.0
R 3X0.35X31.8	3.0	0.35	31.8	0.0103	92.0
R 3X0.35X34.8	3.0	0.35	34.8	0.0094	101.0
R 3X0.35X38.1	3.0	0.35	38.1	0.0084	111.9
R 3X0.36X15.9	3.0	0.36	15.9	0.0278	40.1
R 3X0.36X19.1	3.0	0.36	19.1	0.0224	49.0
R 3X0.36X22	3.0	0.36	22.0	0.0188	57.7
R 3X0.36X29	3.0	0.36	29.0	0.0134	79.1
R 3X0.36X35	3.0	0.36	35.0	0.0108	97.4
R 3X0.36X38	3.0	0.36	38.0	0.0098	106.2
R 3X0.4X9.5	3.0	0.40	9.5	0.1099	17.6
R 3X0.4X9.7	3.0	0.40	9.7	0.1023	18.4

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 3X0.4X12.7	3.0	0.40	12.7	0.0690	25.6
R 3X0.4X15.7	3.0	0.40	15.7	0.0503	33.4
R 3X0.4X15.9	3.0	0.40	15.9	0.0503	33.6
R 3X0.4X19.1	3.0	0.40	19.1	0.0396	41.6
R 3X0.4X22	3.0	0.40	22.0	0.0326	49.3
R 3X0.4X28.4	3.0	0.40	28.4	0.0241	65.3
R 3X0.4X29	3.0	0.40	29.0	0.0237	66.5
R 3X0.4X31.8	3.0	0.40	31.8	0.0214	73.5
R 3X0.4X32	3.0	0.40	32.0	0.0210	74.3
R 3X0.4X34.8	3.0	0.40	34.8	0.0191	81.3
R 3X0.4X35	3.0	0.40	35.0	0.0191	81.5
R 3X0.4X38	3.0	0.40	38.0	0.0174	89.3
R 3X0.4X38.1	3.0	0.40	38.1	0.0174	89.4
R 3X0.4X44.4	3.0	0.40	44.4	0.0146	105.3
R 3X0.4X45	3.0	0.40	45.0	0.0145	106.5
R 3X0.4X48	3.0	0.40	48.0	0.0134	114.3
R 3X0.4X50	3.0	0.40	50.0	0.0128	119.3
R 3X0.4X50.8	3.0	0.40	50.8	0.0126	121.3
R 3X0.4X63	3.0	0.40	63.0	0.0101	151.4
R 3X0.45X9.5	3.0	0.45	9.5	0.2016	15.5
R 3X0.45X9.7	3.0	0.45	9.7	0.1866	16.2
R 3X0.45X12.7	3.0	0.45	12.7	0.1292	22.1
R 3X0.45X15.7	3.0	0.45	15.7	0.0951	28.5
R 3X0.45X15.9	3.0	0.45	15.9	0.0951	28.7
R 3X0.45X18.2	3.0	0.45	18.2	0.0800	33.4
R 3X0.45X19	3.0	0.45	19.0	0.0752	35.2
R 3X0.45X19.1	3.0	0.45	19.1	0.0752	35.3
R 3X0.45X22	3.0	0.45	22.0	0.0622	41.6
R 3X0.45X22.4	3.0	0.45	22.4	0.0607	42.4
R 3X0.45X25	3.0	0.45	25.0	0.0530	47.9
R 3X0.45X25.4	3.0	0.45	25.4	0.0530	48.3
R 3X0.45X28.4	3.0	0.45	28.4	0.0462	54.7
R 3X0.45X29	3.0	0.45	29.0	0.0454	55.8
R 3X0.45X31.8	3.0	0.45	31.8	0.0403	62.0
R 3X0.45X32	3.0	0.45	32.0	0.0403	62.2
R 3X0.45X34.8	3.0	0.45	34.8	0.0368	67.9
R 3X0.45X35	3.0	0.45	35.0	0.0363	68.6
R 3X0.45X36	3.0	0.45	36.0	0.0352	70.5
R 3X0.45X38	3.0	0.45	38.0	0.0334	74.5
R 3X0.45X38.1	3.0	0.45	38.1	0.0329	75.1
R 3X0.45X43	3.0	0.45	43.0	0.0288	85.3

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 3X0.45X44.4	3.0	0.45	44.4	0.0278	88.1
R 3X0.45X45	3.0	0.45	45.0	0.0275	89.2
R 3X0.45X50	3.0	0.45	50.0	0.0246	99.5
R 3X0.45X50.8	3.0	0.45	50.8	0.0241	101.3
R 3X0.45X57	3.0	0.45	57.0	0.0213	114.2
R 3X0.45X57.2	3.0	0.45	57.2	0.0213	114.4
R 3X0.45X63.5	3.0	0.45	63.5	0.0190	127.5
R 3X0.5X9.7	3.0	0.50	9.7	0.3260	14.6
R 3X0.5X11.9	3.0	0.50	11.9	0.2470	18.4
R 3X0.5X12.7	3.0	0.50	12.7	0.2203	20.0
R 3X0.5X14.3	3.0	0.50	14.3	0.1895	22.8
R 3X0.5X15.7	3.0	0.50	15.7	0.1663	25.4
R 3X0.5X15.9	3.0	0.50	15.9	0.1663	25.6
R 3X0.5X16.2	3.0	0.50	16.2	0.1598	26.2
R 3X0.5X16.7	3.0	0.50	16.7	0.1538	27.1
R 3X0.5X18.2	3.0	0.50	18.2	0.1381	29.8
R 3X0.5X19	3.0	0.50	19.0	0.1336	31.0
R 3X0.5X19.1	3.0	0.50	19.1	0.1336	31.1
R 3X0.5X22	3.0	0.50	22.0	0.1116	36.4
R 3X0.5X22.4	3.0	0.50	22.4	0.1087	37.2
R 3X0.5X23.7	3.0	0.50	23.7	0.1006	39.7
R 3X0.5X24	3.0	0.50	24.0	0.1006	40.0
R 3X0.5X25	3.0	0.50	25.0	0.0959	41.7
R 3X0.5X25.4	3.0	0.50	25.4	0.0937	42.5
R 3X0.5X28	3.0	0.50	28.0	0.0840	47.1
R 3X0.5X28.4	3.0	0.50	28.4	0.0823	47.9
R 3X0.5X29	3.0	0.50	29.0	0.0807	48.9
R 3X0.5X29.6	3.0	0.50	29.6	0.0791	49.9
R 3X0.5X31.5	3.0	0.50	31.5	0.0734	53.4
R 3X0.5X32	3.0	0.50	32.0	0.0721	54.3
R 3X0.5X34.8	3.0	0.50	34.8	0.0652	59.4
R 3X0.5X35	3.0	0.50	35.0	0.0652	59.6
R 3X0.5X35.5	3.0	0.50	35.5	0.0642	60.5
R 3X0.5X36	3.0	0.50	36.0	0.0632	61.4
R 3X0.5X38	3.0	0.50	38.0	0.0595	65.0
R 3X0.5X38.1	3.0	0.50	38.1	0.0595	65.1
R 3X0.5X39.5	3.0	0.50	39.5	0.0570	67.7
R 3X0.5X43.5	3.0	0.50	43.5	0.0513	74.8
R 3X0.5X45	3.0	0.50	45.0	0.0494	77.5
R 3X0.5X45.1	3.0	0.50	45.1	0.0494	77.6
R 3X0.5X48	3.0	0.50	48.0	0.0460	82.9

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 3X0.5X50	3.0	0.50	50.0	0.0441	86.4
R 3X0.5X50.8	3.0	0.50	50.8	0.0431	88.0
R 3X0.5X54	3.0	0.50	54.0	0.0405	93.6
R 3X0.5X57	3.0	0.50	57.0	0.0383	99.0
R 3X0.5X57.2	3.0	0.50	57.2	0.0379	99.5
R 3X0.5X63	3.0	0.50	63.0	0.0344	109.7
R 3X0.5X63.5	3.0	0.50	63.5	0.0341	110.6
R 3X0.55X15.7	3.0	0.55	15.7	0.2817	23.0
R 3X0.55X18.2	3.0	0.55	18.2	0.2392	26.8
R 3X0.55X19	3.0	0.55	19.0	0.2224	28.2
R 3X0.55X22.1	3.0	0.55	22.1	0.1892	33.0
R 3X0.55X22.4	3.0	0.55	22.4	0.1837	33.6
R 3X0.55X25.4	3.0	0.55	25.4	0.1605	38.2
R 3X0.55X26	3.0	0.55	26.0	0.1565	39.1
R 3X0.55X28.4	3.0	0.55	28.4	0.1393	43.2
R 3X0.55X31.8	3.0	0.55	31.8	0.1231	48.5
R 3X0.55X34.8	3.0	0.55	34.8	0.1122	53.1
R 3X0.55X38.1	3.0	0.55	38.1	0.1014	58.4
R 3X0.55X43	3.0	0.55	43.0	0.0887	66.2
R 3X0.55X44.4	3.0	0.55	44.4	0.0851	68.6
R 3X0.55X50.8	3.0	0.55	50.8	0.0741	78.5
R 3X0.55X52	3.0	0.55	52.0	0.0716	80.7
R 3X0.55X55	3.0	0.55	55.0	0.0678	85.3
R 3X0.55X57.2	3.0	0.55	57.2	0.0650	88.8
R 3X0.55X63	3.0	0.55	63.0	0.0584	98.2
R 3X0.55X63.5	3.0	0.55	63.5	0.0584	98.7
R 3X0.56X15.9	3.0	0.56	15.9	0.3065	22.9
R 3X0.56X19.1	3.0	0.56	19.1	0.2508	27.7
R 3X0.56X22	3.0	0.56	22.0	0.2122	32.1
R 3X0.56X24	3.0	0.56	24.0	0.1890	35.4
R 3X0.56X25	3.0	0.56	25.0	0.1791	37.0
R 3X0.56X26	3.0	0.56	26.0	0.1703	38.6
R 3X0.56X29	3.0	0.56	29.0	0.1516	43.2
R 3X0.56X32	3.0	0.56	32.0	0.1366	47.8
R 3X0.56X35	3.0	0.56	35.0	0.1221	52.6
R 3X0.56X38	3.0	0.56	38.0	0.1121	57.2
R 3X0.56X45	3.0	0.56	45.0	0.0938	67.9
R 3X0.56X50	3.0	0.56	50.0	0.0836	75.8
R 3X0.56X57	3.0	0.56	57.0	0.0722	86.8
R 3X0.56X64	3.0	0.56	64.0	0.0642	97.6
R 3X0.65X9	3.0	0.65	9.0	1.6485	10.9

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 3X0.65X9.7	3.0	0.65	9.7	1.4750	11.8
R 3X0.65X12.8	3.0	0.65	12.8	0.9664	16.0
R 3X0.65X17.8	3.0	0.65	17.8	0.6228	22.8
R 3X0.65X19.2	3.0	0.65	19.2	0.5719	24.7
R 3.1X0.32X9.5	3.1	0.32	9.5	0.0301	25.3
R 3.1X0.32X18.2	3.1	0.32	18.2	0.0114	59.8
R 3.1X0.32X25	3.1	0.32	25.0	0.0077	86.7
R 3.1X0.32X38	3.1	0.32	38.0	0.0047	138.8
R 3.1X0.32X50	3.1	0.32	50.0	0.0035	186.2
R 3.1X0.4X12.7	3.1	0.40	12.7	0.0616	26.8
R 3.1X0.4X15.9	3.1	0.40	15.9	0.0449	35.2
R 3.1X0.4X19	3.1	0.40	19.0	0.0353	43.5
R 3.1X0.4X19.1	3.1	0.40	19.1	0.0353	43.6
R 3.1X0.4X22	3.1	0.40	22.0	0.0298	51.1
R 3.1X0.4X25	3.1	0.40	25.0	0.0252	59.3
R 3.1X0.4X29	3.1	0.40	29.0	0.0212	69.9
R 3.1X0.4X35	3.1	0.40	35.0	0.0171	85.7
R 3.1X0.4X102	3.1	0.40	102.0	0.0054	261.9
R 3.1X0.45X10.3	3.1	0.45	10.3	0.1548	18.0
R 3.1X0.45X25	3.1	0.45	25.0	0.0483	49.6
R 3.1X0.45X35	3.1	0.45	35.0	0.0328	71.2
R 3.1X0.45X48	3.1	0.45	48.0	0.0230	99.5
R 3.1X0.45X64	3.1	0.45	64.0	0.0168	134.5
R 3.1X0.5X10.3	3.1	0.50	10.3	0.2898	15.7
R 3.1X0.5X29	3.1	0.50	29.0	0.0717	50.8
R 3.1X0.5X50	3.1	0.50	50.0	0.0392	90.0
R 3.1X0.5X305	3.1	0.50	305.0	0.0060	565.4
R 3.1X0.65X50	3.1	0.65	50.0	0.1729	67.8
R 3.2X0.2X9.5	3.2	0.20	9.5	0.0025	62.0
R 3.2X0.25X18.2	3.2	0.25	18.2	0.0028	101.5
R 3.2X0.25X38	3.2	0.25	38.0	0.0012	242.1
R 3.2X0.28X11.1	3.2	0.28	11.1	0.0107	41.2
R 3.2X0.28X14.3	3.2	0.28	14.3	0.0073	58.5
R 3.2X0.3X10.3	3.2	0.30	10.3	0.0174	32.7
R 3.2X0.3X38	3.2	0.30	38.0	0.0030	166.1
R 3.2X0.3X41	3.2	0.30	41.0	0.0028	180.5
R 3.2X0.3X57	3.2	0.30	57.0	0.0019	258.6
R 3.2X0.35X12.5	3.2	0.35	12.5	0.0281	33.5
R 3.2X0.35X16	3.2	0.35	16.0	0.0197	45.9
R 3.2X0.35X20	3.2	0.35	20.0	0.0148	59.7
R 3.2X0.35X25	3.2	0.35	25.0	0.0111	78.1

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 3.2X0.35X32	3.2	0.35	32.0	0.0083	103.0
R 3.2X0.35X40	3.2	0.35	40.0	0.0065	130.6
R 3.2X0.35X50	3.2	0.35	50.0	0.0051	166.5
R 3.2X0.35X360	3.2	0.35	360.0	0.0007	1267.4
R 3.2X0.36X11.1	3.2	0.36	11.1	0.0404	26.9
R 3.2X0.36X12.7	3.2	0.36	12.7	0.0318	32.7
R 3.2X0.36X15.9	3.2	0.36	15.9	0.0230	43.6
R 3.2X0.36X29	3.2	0.36	29.0	0.0109	87.3
R 3.2X0.36X32	3.2	0.36	32.0	0.0098	97.1
R 3.2X0.36X35	3.2	0.36	35.0	0.0087	107.8
R 3.2X0.36X38	3.2	0.36	38.0	0.0080	117.6
R 3.2X0.36X41	3.2	0.36	41.0	0.0074	127.4
R 3.2X0.36X48	3.2	0.36	48.0	0.0061	151.4
R 3.2X0.36X64	3.2	0.36	64.0	0.0045	204.9
R 3.2X0.4X11.9	3.2	0.40	11.9	0.0609	25.8
R 3.2X0.4X12.5	3.2	0.40	12.5	0.0580	27.1
R 3.2X0.4X16	3.2	0.40	16.0	0.0403	37.0
R 3.2X0.4X18	3.2	0.40	18.0	0.0344	42.5
R 3.2X0.4X19.1	3.2	0.40	19.1	0.0317	45.7
R 3.2X0.4X20	3.2	0.40	20.0	0.0301	48.1
R 3.2X0.4X25	3.2	0.40	25.0	0.0231	61.6
R 3.2X0.4X32	3.2	0.40	32.0	0.0171	81.4
R 3.2X0.4X40	3.2	0.40	40.0	0.0133	103.6
R 3.2X0.4X45	3.2	0.40	45.0	0.0117	117.1
R 3.2X0.4X50	3.2	0.40	50.0	0.0104	131.4
R 3.2X0.4X203	3.2	0.40	203.0	0.0024	555.8
R 3.2X0.4X360	3.2	0.40	360.0	0.0013	992.0
R 3.2X0.45X6.8	3.2	0.45	6.8	0.3652	10.0
R 3.2X0.45X8.6	3.2	0.45	8.6	0.2114	14.1
R 3.2X0.45X10.3	3.2	0.45	10.3	0.1488	18.1
R 3.2X0.45X11.3	3.2	0.45	11.3	0.1296	20.2
R 3.2X0.45X12.5	3.2	0.45	12.5	0.1086	23.1
R 3.2X0.45X15.4	3.2	0.45	15.4	0.0788	30.1
R 3.2X0.45X16	3.2	0.45	16.0	0.0758	31.3
R 3.2X0.45X20	3.2	0.45	20.0	0.0566	40.4
R 3.2X0.45X22.1	3.2	0.45	22.1	0.0509	44.8
R 3.2X0.45X25	3.2	0.45	25.0	0.0432	51.8
R 3.2X0.45X31.3	3.2	0.45	31.3	0.0332	66.1
R 3.2X0.45X32	3.2	0.45	32.0	0.0327	67.4
R 3.2X0.45X35	3.2	0.45	35.0	0.0293	74.4
R 3.2X0.45X40	3.2	0.45	40.0	0.0253	85.8

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 3.2X0.45X50	3.2	0.45	50.0	0.0198	108.4
R 3.2X0.45X67	3.2	0.45	67.0	0.0144	147.3
R 3.2X0.45X69.8	3.2	0.45	69.8	0.0138	153.5
R 3.2X0.45X139	3.2	0.45	139.0	0.0067	311.4
R 3.2X0.45X360	3.2	0.45	360.0	0.0025	815.0
R 3.2X0.5X12.5	3.2	0.50	12.5	0.1961	20.3
R 3.2X0.5X16	3.2	0.50	16.0	0.1377	27.1
R 3.2X0.5X20	3.2	0.50	20.0	0.1027	34.9
R 3.2X0.5X25	3.2	0.50	25.0	0.0779	44.6
R 3.2X0.5X32	3.2	0.50	32.0	0.0583	58.2
R 3.2X0.5X38	3.2	0.50	38.0	0.0479	69.9
R 3.2X0.5X40	3.2	0.50	40.0	0.0452	73.8
R 3.2X0.5X50	3.2	0.50	50.0	0.0354	93.2
R 3.2X0.5X360	3.2	0.50	360.0	0.0045	696.1
R 3.2X0.56X15.9	3.2	0.56	15.9	0.2533	24.0
R 3.2X0.56X19	3.2	0.56	19.0	0.2055	29.0
R 3.2X0.56X22	3.2	0.56	22.0	0.1675	34.3
R 3.2X0.56X25	3.2	0.56	25.0	0.1452	39.1
R 3.2X0.56X29	3.2	0.56	29.0	0.1224	45.8
R 3.2X0.56X32	3.2	0.56	32.0	0.1078	51.1
R 3.2X0.56X35	3.2	0.56	35.0	0.0981	55.9
R 3.2X0.56X38	3.2	0.56	38.0	0.0900	60.8
R 3.2X0.56X40	3.2	0.56	40.0	0.0844	64.3
R 3.2X0.56X41	3.2	0.56	41.0	0.0819	66.1
R 3.2X0.56X45	3.2	0.56	45.0	0.0741	72.7
R 3.2X0.56X48	3.2	0.56	48.0	0.0694	77.6
R 3.2X0.56X50	3.2	0.56	50.0	0.0660	81.1
R 3.2X0.56X57	3.2	0.56	57.0	0.0576	92.7
R 3.2X0.56X64	3.2	0.56	64.0	0.0507	104.6
R 3.2X0.65X38	3.2	0.65	38.0	0.2089	52.4
R 3.5X0.25X7.9	3.5	0.25	7.9	0.0101	29.7
R 3.5X0.25X11.2	3.5	0.25	11.2	0.0047	57.7
R 3.5X0.25X15	3.5	0.25	15.0	0.0029	89.9
R 3.5X0.25X18.4	3.5	0.25	18.4	0.0022	119.8
R 3.5X0.32X8.7	3.5	0.32	8.7	0.0289	23.6
R 3.5X0.32X10.3	3.5	0.32	10.3	0.0201	31.6
R 3.5X0.32X12.9	3.5	0.32	12.9	0.0130	45.8
R 3.5X0.32X17.7	3.5	0.32	17.7	0.0082	70.0
R 3.5X0.32X20	3.5	0.32	20.0	0.0070	81.4
R 3.5X0.32X21.9	3.5	0.32	21.9	0.0062	91.0
R 3.5X0.32X24.8	3.5	0.32	24.8	0.0053	105.5

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 3.5X0.32X27.3	3.5	0.32	27.3	0.0047	118.4
R 3.5X0.32X29.9	3.5	0.32	29.9	0.0042	131.3
R 3.5X0.4X7.9	3.5	0.40	7.9	0.1167	14.6
R 3.5X0.4X32	3.5	0.40	32.0	0.0128	93.3
R 3.5X0.4X48	3.5	0.40	48.0	0.0081	145.2
R 3.5X0.4X64	3.5	0.40	64.0	0.0059	197.0
R 3.5X0.5X9.5	3.5	0.50	9.5	0.2246	15.8
R 3.5X0.5X12.5	3.5	0.50	12.5	0.1429	22.5
R 3.5X0.5X17	3.5	0.50	17.0	0.0925	32.4
R 3.5X0.5X21	3.5	0.50	21.0	0.0704	41.2
R 3.5X0.5X24.5	3.5	0.50	24.5	0.0582	49.0
R 3.5X0.5X290	3.5	0.50	290.0	0.0041	635.1
R 3.5X0.55X9.8	3.5	0.55	9.8	0.3822	14.6
R 3.5X0.55X13.2	3.5	0.55	13.2	0.2201	21.5
R 3.5X0.55X18.1	3.5	0.55	18.1	0.1482	30.5
R 3.5X0.55X26.4	3.5	0.55	26.4	0.0897	46.8
R 3.5X0.7X11.1	3.5	0.70	11.1	1.0612	14.3
R 3.5X0.7X15.3	3.5	0.70	15.3	0.6753	20.4
R 3.5X0.7X21.6	3.5	0.70	21.6	0.4370	29.4
R 3.5X0.7X32.1	3.5	0.70	32.1	0.2751	44.5
R 3.5X0.7X46.1	3.5	0.70	46.1	0.1842	64.6
R 3.5X0.75X127	3.5	0.75	127.0	0.0942	170.1
R 3.6X0.28X27	3.6	0.28	27.0	0.0022	160.9
R 3.6X0.3X41	3.6	0.30	41.0	0.0019	224.1
R 3.6X0.32X7.9	3.6	0.32	7.9	0.0356	19.7
R 3.6X0.32X9.5	3.6	0.32	9.5	0.0224	28.2
R 3.6X0.32X9.7	3.6	0.32	9.7	0.0209	29.8
R 3.6X0.36X33	3.6	0.36	33.0	0.0065	121.8
R 3.6X0.36X38	3.6	0.36	38.0	0.0055	142.8
R 3.6X0.36X48	3.6	0.36	48.0	0.0042	184.9
R 3.6X0.36X64	3.6	0.36	64.0	0.0031	251.3
R 3.6X0.4X9.6	3.6	0.40	9.6	0.0692	20.7
R 3.6X0.4X9.7	3.6	0.40	9.7	0.0637	21.7
R 3.6X0.4X14.8	3.6	0.40	14.8	0.0325	38.4
R 3.6X0.4X15.9	3.6	0.40	15.9	0.0289	42.4
R 3.6X0.4X20	3.6	0.40	20.0	0.0212	56.1
R 3.6X0.4X20.8	3.6	0.40	20.8	0.0201	58.8
R 3.6X0.4X22	3.6	0.40	22.0	0.0187	62.9
R 3.6X0.4X23.7	3.6	0.40	23.7	0.0168	69.4
R 3.6X0.4X26.5	3.6	0.40	26.5	0.0146	78.9
R 3.6X0.4X29.7	3.6	0.40	29.7	0.0127	89.8

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 3.6X0.4X32.9	3.6	0.40	32.9	0.0113	100.7
R 3.6X0.4X36.1	3.6	0.40	36.1	0.0101	111.6
R 3.6X0.45X12.7	3.6	0.45	12.7	0.0764	26.5
R 3.6X0.45X15.1	3.6	0.45	15.1	0.0594	32.8
R 3.6X0.5X102	3.6	0.50	102.0	0.0110	228.7
R 3.6X0.56X22	3.6	0.56	22.0	0.1132	38.6
R 3.6X0.56X150	3.6	0.56	150.0	0.0137	286.7
R 3.7X0.5X10.8	3.7	0.50	10.8	0.1690	18.9
R 3.7X0.5X17.3	3.7	0.50	17.3	0.0793	34.5
R 3.7X0.5X20	3.7	0.50	20.0	0.0637	41.4
R 3.7X0.5X24.8	3.7	0.50	24.8	0.0492	52.5
R 3.7X0.5X28.3	3.7	0.50	28.3	0.0418	60.9
R 3.7X0.5X31.8	3.7	0.50	31.8	0.0363	69.3
R 3.7X0.5X35.8	3.7	0.50	35.8	0.0316	78.9
R 3.7X0.5X39.8	3.7	0.50	39.8	0.0280	88.5
R 3.7X0.5X43.8	3.7	0.50	43.8	0.0251	98.1
R 3.7X0.5X60	3.7	0.50	60.0	0.0176	137.4
R 3.7X0.5X300	3.7	0.50	300.0	0.0033	713.8
R 3.8X0.65X12.3	3.8	0.65	12.3	0.5059	17.6
R 3.8X0.65X20.4	3.8	0.65	20.4	0.2375	31.6
R 3.8X0.65X29.9	3.8	0.65	29.9	0.1511	47.5
R 3.8X0.65X34.3	3.8	0.65	34.3	0.1279	55.1
R 3.8X0.65X38.7	3.8	0.65	38.7	0.1108	62.7
R 3.8X0.65X43.8	3.8	0.65	43.8	0.0962	71.5
R 3.8X0.65X48.8	3.8	0.65	48.8	0.0862	79.7
R 3.8X0.65X53.9	3.8	0.65	53.9	0.0771	88.4
R 3.8X0.65X60	3.8	0.65	60.0	0.0680	99.1
R 3.8X0.65X80	3.8	0.65	80.0	0.0504	132.8
R 3.8X0.65X100	3.8	0.65	100.0	0.0397	167.0
R 3.9X0.22X15.1	3.9	0.22	15.1	0.0011	141.2
R 3.9X0.32X15.1	3.9	0.32	15.1	0.0079	64.7
R 3.9X0.32X20	3.9	0.32	20.0	0.0051	96.6
R 3.9X0.32X27	3.9	0.32	27.0	0.0034	140.6
R 3.9X0.32X35	3.9	0.32	35.0	0.0025	190.6
R 3.9X0.4X32	3.9	0.40	32.0	0.0091	110.3
R 3.9X0.45X20	3.9	0.45	20.0	0.0313	51.4
R 3.9X0.45X35	3.9	0.45	35.0	0.0153	99.3
R 3.9X0.45X64	3.9	0.45	64.0	0.0078	190.2
R 3.9X0.45X165	3.9	0.45	165.0	0.0029	508.8
R 3.9X0.5X20	3.9	0.50	20.0	0.0549	43.8
R 3.9X0.5X48	3.9	0.50	48.0	0.0189	116.9

Referenz Nummer	Außendurchmesse r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 3.9X0.5X64	3.9	0.50	64.0	0.0138	158.6
R 3.9X0.5X152	3.9	0.50	152.0	0.0055	388.4
R 3.9X0.56X29	3.9	0.56	29.0	0.0633	56.9
R 3.9X0.56X31	3.9	0.56	31.0	0.0578	61.5
R 3.9X0.56X60	3.9	0.56	60.0	0.0273	124.6
R 4X0.25X9.5	4.0	0.25	9.5	0.0052	47.3
R 4X0.3X12.7	4.0	0.30	12.7	0.0069	59.1
R 4X0.3X15.9	4.0	0.30	15.9	0.0049	82.1
R 4X0.35X7.7	4.0	0.35	7.7	0.0572	16.3
R 4X0.35X9.2	4.0	0.35	9.2	0.0299	25.5
R 4X0.35X11.4	4.0	0.35	11.4	0.0191	37.1
R 4X0.35X12.5	4.0	0.35	12.5	0.0161	42.8
R 4X0.35X14.6	4.0	0.35	14.6	0.0123	54.2
R 4X0.35X15.7	4.0	0.35	15.7	0.0110	60.0
R 4X0.35X16	4.0	0.35	16.0	0.0107	61.9
R 4X0.35X20	4.0	0.35	20.0	0.0076	84.5
R 4X0.35X25	4.0	0.35	25.0	0.0057	111.3
R 4X0.35X27.2	4.0	0.35	27.2	0.0051	122.8
R 4X0.35X32	4.0	0.35	32.0	0.0042	149.4
R 4X0.35X40	4.0	0.35	40.0	0.0032	193.1
R 4X0.35X50	4.0	0.35	50.0	0.0025	246.7
R 4X0.35X63	4.0	0.35	63.0	0.0019	317.2
R 4X0.35X360	4.0	0.35	360.0	0.0003	1934.0
R 4X0.36X12.7	4.0	0.36	12.7	0.0182	41.7
R 4X0.36X15.9	4.0	0.36	15.9	0.0124	58.3
R 4X0.36X19.1	4.0	0.36	19.1	0.0095	74.8
R 4X0.36X22	4.0	0.36	22.0	0.0078	89.6
R 4X0.36X64	4.0	0.36	64.0	0.0022	305.6
R 4X0.4X12.5	4.0	0.40	12.5	0.0319	34.5
R 4X0.4X16	4.0	0.40	16.0	0.0211	49.2
R 4X0.4X17.1	4.0	0.40	17.1	0.0196	52.9
R 4X0.4X20	4.0	0.40	20.0	0.0153	65.8
R 4X0.4X25	4.0	0.40	25.0	0.0115	85.8
R 4X0.4X32	4.0	0.40	32.0	0.0084	115.4
R 4X0.4X40	4.0	0.40	40.0	0.0065	148.5
R 4X0.4X50	4.0	0.40	50.0	0.0050	189.9
R 4X0.4X63	4.0	0.40	63.0	0.0039	243.0
R 4X0.4X360	4.0	0.40	360.0	0.0006	1472.2
R 4X0.45X12.5	4.0	0.45	12.5	0.0602	28.5
R 4X0.45X16	4.0	0.45	16.0	0.0397	40.2
R 4X0.45X20	4.0	0.45	20.0	0.0287	53.5

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 4X0.45X25	4.0	0.45	25.0	0.0215	69.9
R 4X0.45X32	4.0	0.45	32.0	0.0157	93.4
R 4X0.45X38	4.0	0.45	38.0	0.0129	112.8
R 4X0.45X40	4.0	0.45	40.0	0.0122	118.9
R 4X0.45X50	4.0	0.45	50.0	0.0094	152.6
R 4X0.45X63	4.0	0.45	63.0	0.0073	194.5
R 4X0.45X360	4.0	0.45	360.0	0.0012	1172.4
R 4X0.5X12.5	4.0	0.50	12.5	0.1024	25.0
R 4X0.5X16	4.0	0.50	16.0	0.0691	34.5
R 4X0.5X20	4.0	0.50	20.0	0.0503	45.4
R 4X0.5X25	4.0	0.50	25.0	0.0376	59.0
R 4X0.5X30	4.0	0.50	30.0	0.0300	72.6
R 4X0.5X32	4.0	0.50	32.0	0.0278	78.0
R 4X0.5X40	4.0	0.50	40.0	0.0214	99.8
R 4X0.5X50	4.0	0.50	50.0	0.0166	127.0
R 4X0.5X63	4.0	0.50	63.0	0.0129	162.4
R 4X0.5X360	4.0	0.50	360.0	0.0021	970.6
R 4X0.55X10.7	4.0	0.55	10.7	0.2162	18.3
R 4X0.55X12.5	4.0	0.55	12.5	0.1682	22.3
R 4X0.55X14	4.0	0.55	14.0	0.1376	26.0
R 4X0.55X16	4.0	0.55	16.0	0.1164	30.2
R 4X0.55X18.9	4.0	0.55	18.9	0.0927	36.7
R 4X0.55X20	4.0	0.55	20.0	0.0857	39.2
R 4X0.55X22.4	4.0	0.55	22.4	0.0721	45.3
R 4X0.55X25	4.0	0.55	25.0	0.0622	51.5
R 4X0.55X25.4	4.0	0.55	25.4	0.0622	51.9
R 4X0.55X27.2	4.0	0.55	27.2	0.0561	56.6
R 4X0.55X28.4	4.0	0.55	28.4	0.0534	59.3
R 4X0.55X31.8	4.0	0.55	31.8	0.0468	67.0
R 4X0.55X32	4.0	0.55	32.0	0.0468	67.2
R 4X0.55X34.8	4.0	0.55	34.8	0.0424	73.6
R 4X0.55X38.1	4.0	0.55	38.1	0.0382	81.3
R 4X0.55X38.2	4.0	0.55	38.2	0.0375	82.1
R 4X0.55X40	4.0	0.55	40.0	0.0358	86.1
R 4X0.55X44.4	4.0	0.55	44.4	0.0318	96.3
R 4X0.55X50	4.0	0.55	50.0	0.0279	109.2
R 4X0.55X50.8	4.0	0.55	50.8	0.0275	110.7
R 4X0.55X57.2	4.0	0.55	57.2	0.0240	125.8
R 4X0.55X63	4.0	0.55	63.0	0.0215	139.6
R 4X0.55X63.5	4.0	0.55	63.5	0.0213	140.8
R 4X0.55X69.8	4.0	0.55	69.8	0.0193	155.1

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 4X0.55X102	4.0	0.55	102.0	0.0129	230.1
R 4X0.55X203	4.0	0.55	203.0	0.0063	464.0
R 4X0.55X360	4.0	0.55	360.0	0.0035	828.6
R 4X0.56X15.9	4.0	0.56	15.9	0.1262	29.6
R 4X0.56X19.1	4.0	0.56	19.1	0.1005	36.3
R 4X0.56X22	4.0	0.56	22.0	0.0807	43.4
R 4X0.56X38	4.0	0.56	38.0	0.0421	79.1
R 4X0.56X70	4.0	0.56	70.0	0.0213	151.1
R 4X0.56X76	4.0	0.56	76.0	0.0195	164.9
R 4X0.6X12.5	4.0	0.60	12.5	0.2687	20.2
R 4X0.6X16	4.0	0.60	16.0	0.1816	27.4
R 4X0.6X20	4.0	0.60	20.0	0.1371	35.1
R 4X0.6X25	4.0	0.60	25.0	0.1003	45.7
R 4X0.6X32	4.0	0.60	32.0	0.0755	59.5
R 4X0.6X40	4.0	0.60	40.0	0.0574	76.1
R 4X0.6X50	4.0	0.60	50.0	0.0451	96.0
R 4X0.6X63	4.0	0.60	63.0	0.0348	122.6
R 4X0.6X360	4.0	0.60	360.0	0.0057	725.4
R 4X0.65X25	4.0	0.65	25.0	0.1586	41.1
R 4X0.7X41	4.0	0.70	41.0	0.1322	64.5
R 4X0.8X12.6	4.0	0.80	12.6	1.3405	15.9
R 4X0.8X17.4	4.0	0.80	17.4	0.8216	22.7
R 4X0.8X24.6	4.0	0.80	24.6	0.5198	33.0
R 4.1X0.45X8.6	4.1	0.45	8.6	0.1322	15.7
R 4.2X0.25X7.6	4.2	0.25	7.6	0.0117	23.7
R 4.2X0.25X8.6	4.2	0.25	8.6	0.0068	36.4
R 4.2X0.25X9.7	4.2	0.25	9.7	0.0045	52.1
R 4.2X0.25X10.2	4.2	0.25	10.2	0.0039	58.4
R 4.2X0.25X11.1	4.2	0.25	11.1	0.0033	68.1
R 4.2X0.25X12.4	4.2	0.25	12.4	0.0026	84.0
R 4.2X0.25X16.2	4.2	0.25	16.2	0.0016	134.5
R 4.2X0.25X20	4.2	0.25	20.0	0.0012	182.1
R 4.2X0.25X24	4.2	0.25	24.0	0.0009	232.9
R 4.2X0.3X9.5	4.2	0.30	9.5	0.0121	35.0
R 4.2X0.3X9.7	4.2	0.30	9.7	0.0111	37.5
R 4.2X0.3X11.2	4.2	0.30	11.2	0.0079	50.1
R 4.2X0.3X15.7	4.2	0.30	15.7	0.0043	87.9
R 4.2X0.3X19.1	4.2	0.30	19.1	0.0032	115.7
R 4.2X0.3X22	4.2	0.30	22.0	0.0026	140.8
R 4.2X0.3X22.4	4.2	0.30	22.4	0.0026	143.4
R 4.2X0.3X25.4	4.2	0.30	25.4	0.0022	168.7

Referenz Nummer	Außendurchmesse r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 4.2X0.3X38	4.2	0.30	38.0	0.0013	274.5
R 4.2X0.36X9.5	4.2	0.36	9.5	0.0318	25.4
R 4.2X0.36X38	4.2	0.36	38.0	0.0034	187.9
R 4.2X0.4X19.1	4.2	0.40	19.1	0.0142	66.5
R 4.2X0.4X38	4.2	0.40	38.0	0.0059	152.0
R 4.3X0.32X10	4.3	0.32	10.0	0.0147	34.5
R 4.3X0.32X14.2	4.3	0.32	14.2	0.0066	68.5
R 4.3X0.32X19	4.3	0.32	19.0	0.0042	105.2
R 4.3X0.32X23.5	4.3	0.32	23.5	0.0031	139.5
R 4.3X0.4X33	4.3	0.40	33.0	0.0065	134.3
R 4.3X0.5X11.9	4.3	0.50	11.9	0.0928	24.9
R 4.3X0.5X72	4.3	0.50	72.0	0.0088	209.5
R 4.4X0.25X11.2	4.4	0.25	11.2	0.0030	71.5
R 4.4X0.25X15.9	4.4	0.25	15.9	0.0015	138.1
R 4.4X0.25X17.3	4.4	0.25	17.3	0.0013	159.1
R 4.4X0.25X19.1	4.4	0.25	19.1	0.0011	183.7
R 4.4X0.25X22	4.4	0.25	22.0	0.0009	225.7
R 4.4X0.25X22.4	4.4	0.25	22.4	0.0009	229.4
R 4.4X0.25X25.4	4.4	0.25	25.4	0.0007	271.5
R 4.4X0.25X26	4.4	0.25	26.0	0.0007	281.9
R 4.4X0.25X38	4.4	0.25	38.0	0.0004	450.4
R 4.4X0.3X12.7	4.4	0.30	12.7	0.0056	66.1
R 4.4X0.4X10.9	4.4	0.40	10.9	0.0354	29.2
R 4.4X0.4X11.1	4.4	0.40	11.1	0.0326	31.0
R 4.4X0.4X16.1	4.4	0.40	16.1	0.0166	55.0
R 4.4X0.4X22.1	4.4	0.40	22.1	0.0103	84.8
R 4.4X0.4X25	4.4	0.40	25.0	0.0086	100.4
R 4.4X0.4X27.8	4.4	0.40	27.8	0.0075	114.4
R 4.4X0.4X31	4.4	0.40	31.0	0.0065	130.3
R 4.4X0.4X34.2	4.4	0.40	34.2	0.0058	146.2
R 4.4X0.4X37.4	4.4	0.40	37.4	0.0052	162.1
R 4.4X0.45X9.7	4.4	0.45	9.7	0.0797	20.9
R 4.4X0.65X15.1	4.4	0.65	15.1	0.2378	25.1
R 4.4X0.65X17.4	4.4	0.65	17.4	0.1864	30.2
R 4.4X0.7X15.9	4.4	0.70	15.9	0.3330	24.6
R 4.5X0.45X15.9	4.5	0.45	15.9	0.0292	45.7
R 4.5X0.45X19.1	4.5	0.45	19.1	0.0221	58.7
R 4.5X0.45X22	4.5	0.45	22.0	0.0177	71.3
R 4.5X0.45X25	4.5	0.45	25.0	0.0152	82.6
R 4.5X0.45X29	4.5	0.45	29.0	0.0125	99.1
R 4.5X0.45X32	4.5	0.45	32.0	0.0109	111.8

Referenz Nummer	Außendurchmesse r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 4.5X0.45X35	4.5	0.45	35.0	0.0099	123.1
R 4.5X0.45X38	4.5	0.45	38.0	0.0089	135.9
R 4.5X0.45X41	4.5	0.45	41.0	0.0081	148.6
R 4.5X0.45X45	4.5	0.45	45.0	0.0073	165.1
R 4.5X0.45X48	4.5	0.45	48.0	0.0068	176.4
R 4.5X0.45X50	4.5	0.45	50.0	0.0065	185.3
R 4.5X0.45X57	4.5	0.45	57.0	0.0056	213.2
R 4.5X0.45X64	4.5	0.45	64.0	0.0049	242.4
R 4.5X0.5X12.1	4.5	0.50	12.1	0.0796	26.7
R 4.5X0.5X15.9	4.5	0.50	15.9	0.0510	38.6
R 4.5X0.5X18.6	4.5	0.50	18.6	0.0390	48.3
R 4.5X0.5X19.1	4.5	0.50	19.1	0.0375	50.0
R 4.5X0.5X22	4.5	0.50	22.0	0.0316	58.7
R 4.5X0.5X25	4.5	0.50	25.0	0.0265	68.7
R 4.5X0.5X26.1	4.5	0.50	26.1	0.0246	73.3
R 4.5X0.5X29	4.5	0.50	29.0	0.0219	82.0
R 4.5X0.5X29.6	4.5	0.50	29.6	0.0209	85.0
R 4.5X0.5X32	4.5	0.50	32.0	0.0193	92.0
R 4.5X0.5X33.1	4.5	0.50	33.1	0.0183	96.6
R 4.5X0.5X35	4.5	0.50	35.0	0.0173	102.0
R 4.5X0.5X37.1	4.5	0.50	37.1	0.0159	109.9
R 4.5X0.5X38	4.5	0.50	38.0	0.0157	112.0
R 4.5X0.5X41.1	4.5	0.50	41.1	0.0141	123.3
R 4.5X0.5X45	4.5	0.50	45.0	0.0128	135.3
R 4.5X0.5X45.1	4.5	0.50	45.1	0.0127	136.6
R 4.5X0.5X48	4.5	0.50	48.0	0.0119	145.3
R 4.5X0.5X50	4.5	0.50	50.0	0.0114	152.0
R 4.5X0.5X57	4.5	0.50	57.0	0.0098	175.3
R 4.5X0.5X64	4.5	0.50	64.0	0.0086	198.6
R 4.5X0.56X41	4.5	0.56	41.0	0.0262	101.0
R 4.5X0.56X48	4.5	0.56	48.0	0.0217	120.4
R 4.5X0.6X15.9	4.5	0.60	15.9	0.1349	29.9
R 4.5X0.6X19.1	4.5	0.60	19.1	0.0989	38.2
R 4.5X0.6X22	4.5	0.60	22.0	0.0840	44.5
R 4.5X0.6X24	4.5	0.60	24.0	0.0730	49.9
R 4.5X0.6X25	4.5	0.60	25.0	0.0707	51.7
R 4.5X0.6X26	4.5	0.60	26.0	0.0664	54.4
R 4.5X0.6X27	4.5	0.60	27.0	0.0627	57.1
R 4.5X0.6X29	4.5	0.60	29.0	0.0578	61.7
R 4.5X0.6X32	4.5	0.60	32.0	0.0512	68.9
R 4.5X0.6X35	4.5	0.60	35.0	0.0459	76.2

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 4.5X0.6X38	4.5	0.60	38.0	0.0416	83.4
R 4.5X0.6X45	4.5	0.60	45.0	0.0340	100.6
R 4.5X0.6X46	4.5	0.60	46.0	0.0335	102.4
R 4.5X0.6X50	4.5	0.60	50.0	0.0303	112.4
R 4.5X0.6X57	4.5	0.60	57.0	0.0260	129.6
R 4.5X0.6X63	4.5	0.60	63.0	0.0233	144.0
R 4.5X0.6X64	4.5	0.60	64.0	0.0231	145.9
R 4.5X0.65X12.1	4.5	0.65	12.1	0.3354	19.1
R 4.5X0.65X12.7	4.5	0.65	12.7	0.3035	20.4
R 4.5X0.65X15.9	4.5	0.65	15.9	0.2056	27.3
R 4.5X0.65X18.6	4.5	0.65	18.6	0.1634	32.9
R 4.5X0.65X19.1	4.5	0.65	19.1	0.1554	34.1
R 4.5X0.65X21	4.5	0.65	21.0	0.1356	38.2
R 4.5X0.65X22	4.5	0.65	22.0	0.1301	40.0
R 4.5X0.65X24	4.5	0.65	24.0	0.1118	44.9
R 4.5X0.65X25	4.5	0.65	25.0	0.1080	46.6
R 4.5X0.65X26	4.5	0.65	26.0	0.1012	49.1
R 4.5X0.65X29	4.5	0.65	29.0	0.0898	55.0
R 4.5X0.65X32	4.5	0.65	32.0	0.0787	61.7
R 4.5X0.65X35	4.5	0.65	35.0	0.0716	67.6
R 4.5X0.65X38	4.5	0.65	38.0	0.0644	74.3
R 4.5X0.65X45	4.5	0.65	45.0	0.0527	89.3
R 4.5X0.65X50	4.5	0.65	50.0	0.0465	100.2
R 4.5X0.65X57	4.5	0.65	57.0	0.0406	114.5
R 4.5X0.65X64	4.5	0.65	64.0	0.0356	129.6
R 4.5X0.65X85	4.5	0.65	85.0	0.0262	174.1
R 4.5X0.75X19.1	4.5	0.75	19.1	0.3304	29.4
R 4.5X0.75X19.8	4.5	0.75	19.8	0.3135	30.7
R 4.5X0.75X55	4.5	0.75	55.0	0.0933	91.5
R 4.5X0.75X76	4.5	0.75	76.0	0.0654	128.0
R 4.5X0.8X38.1	4.5	0.80	38.1	0.2034	57.9
R 4.5X0.85X11.9	4.5	0.85	11.9	1.4582	15.1
R 4.5X0.85X15.9	4.5	0.85	15.9	0.8749	21.3
R 4.5X0.85X19.1	4.5	0.85	19.1	0.6628	26.2
R 4.5X0.85X22	4.5	0.85	22.0	0.5608	30.4
R 4.5X0.85X25	4.5	0.85	25.0	0.4654	35.1
R 4.5X0.85X29	4.5	0.85	29.0	0.3977	40.8
R 4.5X0.85X32	4.5	0.85	32.0	0.3472	45.5
R 4.5X0.85X35	4.5	0.85	35.0	0.3170	49.8
R 4.5X0.85X38	4.5	0.85	38.0	0.2841	54.5
R 4.5X0.85X43	4.5	0.85	43.0	0.2458	62.1

Referenz Nummer	Außendurchmesse r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 4.5X0.85X45	4.5	0.85	45.0	0.2352	65.0
R 4.5X0.85X50	4.5	0.85	50.0	0.2083	72.5
R 4.5X0.85X57	4.5	0.85	57.0	0.1808	83.0
R 4.5X0.85X64	4.5	0.85	64.0	0.1574	93.9
R 4.5X0.85X70	4.5	0.85	70.0	0.1430	102.9
R 4.5X0.9X14.2	4.5	0.90	14.2	1.5080	17.8
R 4.5X0.9X19.6	4.5	0.90	19.6	0.9243	25.5
R 4.5X0.9X27.7	4.5	0.90	27.7	0.5847	37.0
R 4.5X0.9X41.2	4.5	0.90	41.2	0.3627	56.2
R 4.5X0.9X59.2	4.5	0.90	59.2	0.2408	81.8
R 4.6X0.35X15.7	4.6	0.35	15.7	0.0075	73.5
R 4.6X0.35X19	4.6	0.35	19.0	0.0056	96.4
R 4.6X0.35X25.4	4.6	0.35	25.4	0.0037	142.1
R 4.6X0.35X31.8	4.6	0.35	31.8	0.0027	189.9
R 4.6X0.35X38.1	4.6	0.35	38.1	0.0022	235.5
R 4.6X0.36X15.9	4.6	0.36	15.9	0.0088	69.2
R 4.6X0.36X19.1	4.6	0.36	19.1	0.0065	91.1
R 4.6X0.36X25	4.6	0.36	25.0	0.0044	132.5
R 4.6X0.36X32	4.6	0.36	32.0	0.0032	179.2
R 4.6X0.4X9.7	4.6	0.40	9.7	0.0414	24.8
R 4.6X0.4X11.2	4.6	0.40	11.2	0.0306	31.6
R 4.6X0.4X11.9	4.6	0.40	11.9	0.0261	35.8
R 4.6X0.4X15.7	4.6	0.40	15.7	0.0150	57.3
R 4.6X0.4X15.9	4.6	0.40	15.9	0.0150	57.5
R 4.6X0.4X22	4.6	0.40	22.0	0.0091	90.2
R 4.6X0.4X22.4	4.6	0.40	22.4	0.0089	92.4
R 4.6X0.4X25.4	4.6	0.40	25.4	0.0074	109.5
R 4.6X0.4X28.4	4.6	0.40	28.4	0.0065	124.9
R 4.6X0.4X31.8	4.6	0.40	31.8	0.0055	144.3
R 4.6X0.4X34.8	4.6	0.40	34.8	0.0050	159.7
R 4.6X0.4X36	4.6	0.40	36.0	0.0048	166.2
R 4.6X0.4X37	4.6	0.40	37.0	0.0046	172.5
R 4.6X0.4X38.1	4.6	0.40	38.1	0.0044	178.9
R 4.6X0.4X42	4.6	0.40	42.0	0.0040	198.7
R 4.6X0.4X44.4	4.6	0.40	44.4	0.0037	211.8
R 4.6X0.4X46	4.6	0.40	46.0	0.0036	220.4
R 4.6X0.4X50.8	4.6	0.40	50.8	0.0032	246.5
R 4.6X0.4X102	4.6	0.40	102.0	0.0015	524.4
R 4.6X0.4X203	4.6	0.40	203.0	0.0007	1073.4
R 4.6X0.45X15.7	4.6	0.45	15.7	0.0285	45.8
R 4.6X0.45X19	4.6	0.45	19.0	0.0205	60.8

Referenz Nummer	Außendurchmesse r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 4.6X0.45X22.4	4.6	0.45	22.4	0.0165	74.5
R 4.6X0.45X25.4	4.6	0.45	25.4	0.0138	87.7
R 4.6X0.45X28.4	4.6	0.45	28.4	0.0121	99.5
R 4.6X0.45X31.8	4.6	0.45	31.8	0.0103	114.6
R 4.6X0.45X34.8	4.6	0.45	34.8	0.0092	127.9
R 4.6X0.45X38.1	4.6	0.45	38.1	0.0083	141.5
R 4.6X0.45X44.4	4.6	0.45	44.4	0.0069	168.3
R 4.6X0.45X50.8	4.6	0.45	50.8	0.0059	195.2
R 4.6X0.45X57.2	4.6	0.45	57.2	0.0052	222.2
R 4.6X0.45X63.5	4.6	0.45	63.5	0.0046	249.0
R 4.6X0.5X9.5	4.6	0.50	9.5	0.1421	17.5
R 4.6X0.5X9.7	4.6	0.50	9.7	0.1421	17.7
R 4.6X0.5X15.7	4.6	0.50	15.7	0.0499	38.5
R 4.6X0.5X22.4	4.6	0.50	22.4	0.0284	62.4
R 4.6X0.5X28.4	4.6	0.50	28.4	0.0208	83.2
R 4.6X0.5X31.8	4.6	0.50	31.8	0.0179	95.3
R 4.6X0.5X34.8	4.6	0.50	34.8	0.0161	105.7
R 4.6X0.5X38.1	4.6	0.50	38.1	0.0145	116.3
R 4.6X0.5X50.8	4.6	0.50	50.8	0.0103	161.1
R 4.6X0.5X57.2	4.6	0.50	57.2	0.0091	182.3
R 4.6X0.5X63.5	4.6	0.50	63.5	0.0081	204.6
R 4.6X0.55X12.7	4.6	0.55	12.7	0.1220	24.8
R 4.6X0.55X15.7	4.6	0.55	15.7	0.0802	34.0
R 4.6X0.55X19	4.6	0.55	19.0	0.0597	43.6
R 4.6X0.55X22.4	4.6	0.55	22.4	0.0476	53.3
R 4.6X0.55X25.4	4.6	0.55	25.4	0.0395	62.6
R 4.6X0.55X28.4	4.6	0.55	28.4	0.0347	70.8
R 4.6X0.55X31.8	4.6	0.55	31.8	0.0302	80.5
R 4.6X0.55X34.8	4.6	0.55	34.8	0.0267	89.8
R 4.6X0.55X38.1	4.6	0.55	38.1	0.0240	99.4
R 4.6X0.55X44.4	4.6	0.55	44.4	0.0202	117.2
R 4.6X0.55X50.8	4.6	0.55	50.8	0.0172	136.2
R 4.6X0.55X57.2	4.6	0.55	57.2	0.0152	154.1
R 4.6X0.55X63.5	4.6	0.55	63.5	0.0134	173.0
R 4.6X0.56X12.7	4.6	0.56	12.7	0.1321	24.4
R 4.6X0.56X15.9	4.6	0.56	15.9	0.0868	33.7
R 4.6X0.56X22	4.6	0.56	22.0	0.0533	50.9
R 4.6X0.56X25	4.6	0.56	25.0	0.0454	59.0
R 4.6X0.56X29	4.6	0.56	29.0	0.0375	70.1
R 4.6X0.56X32	4.6	0.56	32.0	0.0327	79.2
R 4.6X0.56X35	4.6	0.56	35.0	0.0295	87.3

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 4.6X0.56X38	4.6	0.56	38.0	0.0269	95.4
R 4.6X0.56X45	4.6	0.56	45.0	0.0219	115.6
R 4.6X0.56X50	4.6	0.56	50.0	0.0194	129.7
R 4.6X0.56X57	4.6	0.56	57.0	0.0168	148.9
R 4.6X0.56X64	4.6	0.56	64.0	0.0147	169.1
R 4.6X0.6X15.7	4.6	0.60	15.7	0.1250	30.5
R 4.6X0.6X19	4.6	0.60	19.0	0.0960	38.3
R 4.6X0.6X22.4	4.6	0.60	22.4	0.0750	47.1
R 4.6X0.6X25.4	4.6	0.60	25.4	0.0635	54.6
R 4.6X0.6X28.4	4.6	0.60	28.4	0.0550	62.1
R 4.6X0.6X31.8	4.6	0.60	31.8	0.0485	70.0
R 4.6X0.6X34.8	4.6	0.60	34.8	0.0434	77.5
R 4.6X0.6X38.1	4.6	0.60	38.1	0.0386	86.2
R 4.6X0.6X44.4	4.6	0.60	44.4	0.0325	101.5
R 4.6X0.6X50.8	4.6	0.60	50.8	0.0277	117.8
R 4.6X0.6X57.2	4.6	0.60	57.2	0.0241	134.1
R 4.6X0.6X63.5	4.6	0.60	63.5	0.0216	149.4
R 4.6X0.65X12.7	4.6	0.65	12.7	0.2810	20.9
R 4.6X0.65X13.5	4.6	0.65	13.5	0.2566	22.4
R 4.6X0.65X15.7	4.6	0.65	15.7	0.1904	27.8
R 4.6X0.65X19	4.6	0.65	19.0	0.1439	34.9
R 4.6X0.65X21.7	4.6	0.65	21.7	0.1204	40.8
R 4.6X0.65X22.4	4.6	0.65	22.4	0.1157	42.2
R 4.6X0.65X25.4	4.6	0.65	25.4	0.1000	48.3
R 4.6X0.65X28.4	4.6	0.65	28.4	0.0855	55.2
R 4.6X0.65X31.2	4.6	0.65	31.2	0.0766	61.2
R 4.6X0.65X31.8	4.6	0.65	31.8	0.0747	62.5
R 4.6X0.65X34.8	4.6	0.65	34.8	0.0663	69.4
R 4.6X0.65X35.6	4.6	0.65	35.6	0.0649	71.0
R 4.6X0.65X38.1	4.6	0.65	38.1	0.0596	76.6
R 4.6X0.65X40	4.6	0.65	40.0	0.0562	80.8
R 4.6X0.65X44.4	4.6	0.65	44.4	0.0496	90.7
R 4.6X0.65X45.1	4.6	0.65	45.1	0.0488	92.2
R 4.6X0.65X50.1	4.6	0.65	50.1	0.0437	102.6
R 4.6X0.65X50.8	4.6	0.65	50.8	0.0425	104.9
R 4.6X0.65X55.2	4.6	0.65	55.2	0.0391	113.9
R 4.6X0.65X57.2	4.6	0.65	57.2	0.0376	118.3
R 4.6X0.65X63.5	4.6	0.65	63.5	0.0333	132.3
R 4.6X0.75X15.7	4.6	0.75	15.7	0.4184	23.7
R 4.6X0.75X15.9	4.6	0.75	15.9	0.4184	23.9
R 4.6X0.75X19	4.6	0.75	19.0	0.3228	29.4

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 4.6X0.75X22	4.6	0.75	22.0	0.2627	34.7
R 4.6X0.75X22.4	4.6	0.75	22.4	0.2510	35.7
R 4.6X0.75X25	4.6	0.75	25.0	0.2215	40.1
R 4.6X0.75X25.4	4.6	0.75	25.4	0.2132	41.1
R 4.6X0.75X28.4	4.6	0.75	28.4	0.1852	46.5
R 4.6X0.75X29	4.6	0.75	29.0	0.1793	47.7
R 4.6X0.75X31.8	4.6	0.75	31.8	0.1637	52.2
R 4.6X0.75X32	4.6	0.75	32.0	0.1591	53.0
R 4.6X0.75X34.8	4.6	0.75	34.8	0.1467	57.6
R 4.6X0.75X35	4.6	0.75	35.0	0.1430	58.4
R 4.6X0.75X38	4.6	0.75	38.0	0.1299	63.8
R 4.6X0.75X38.1	4.6	0.75	38.1	0.1299	63.9
R 4.6X0.75X44.4	4.6	0.75	44.4	0.1097	74.9
R 4.6X0.75X45	4.6	0.75	45.0	0.1076	76.1
R 4.6X0.75X50	4.6	0.75	50.0	0.0949	85.2
R 4.6X0.75X50.8	4.6	0.75	50.8	0.0934	86.6
R 4.6X0.75X57	4.6	0.75	57.0	0.0825	97.6
R 4.6X0.75X57.2	4.6	0.75	57.2	0.0825	97.8
R 4.6X0.75X63.5	4.6	0.75	63.5	0.0729	109.4
R 4.6X0.75X64	4.6	0.75	64.0	0.0729	109.9
R 4.6X0.8X12.7	4.6	0.80	12.7	0.8947	17.1
R 4.6X0.8X15.7	4.6	0.80	15.7	0.6084	22.2
R 4.6X0.8X15.9	4.6	0.80	15.9	0.6084	22.4
R 4.6X0.8X19	4.6	0.80	19.0	0.4609	27.6
R 4.6X0.8X19.1	4.6	0.80	19.1	0.4609	27.7
R 4.6X0.8X22	4.6	0.80	22.0	0.3710	32.7
R 4.6X0.8X22.4	4.6	0.80	22.4	0.3537	33.6
R 4.6X0.8X25.4	4.6	0.80	25.4	0.3104	38.1
R 4.6X0.8X28.4	4.6	0.80	28.4	0.2668	43.2
R 4.6X0.8X29	4.6	0.80	29.0	0.2578	44.3
R 4.6X0.8X31.8	4.6	0.80	31.8	0.2340	48.7
R 4.6X0.8X32	4.6	0.80	32.0	0.2270	49.4
R 4.6X0.8X34.8	4.6	0.80	34.8	0.2083	53.8
R 4.6X0.8X35	4.6	0.80	35.0	0.2083	54.0
R 4.6X0.8X38	4.6	0.80	38.0	0.1878	59.1
R 4.6X0.8X45	4.6	0.80	45.0	0.1536	70.8
R 4.6X0.8X50	4.6	0.80	50.0	0.1370	78.9
R 4.6X0.8X50.8	4.6	0.80	50.8	0.1346	80.2
R 4.6X0.8X57	4.6	0.80	57.0	0.1179	90.6
R 4.6X0.8X57.2	4.6	0.80	57.2	0.1179	90.8
R 4.6X0.8X63.5	4.6	0.80	63.5	0.1049	101.2

Referenz Nummer	Außendurchmesse r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 4.6X0.8X64	4.6	0.80	64.0	0.1035	102.2
R 4.6X0.8X69.8	4.6	0.80	69.8	0.0945	111.7
R 4.6X0.8X70	4.6	0.80	70.0	0.0945	111.9
R 4.6X0.85X15.7	4.6	0.85	15.7	0.8068	21.4
R 4.6X0.85X19	4.6	0.85	19.0	0.6506	26.1
R 4.6X0.85X22.4	4.6	0.85	22.4	0.5171	31.3
R 4.6X0.85X25.4	4.6	0.85	25.4	0.4291	36.2
R 4.6X0.85X28.4	4.6	0.85	28.4	0.3805	40.6
R 4.6X0.85X31.8	4.6	0.85	31.8	0.3306	45.8
R 4.6X0.85X34.8	4.6	0.85	34.8	0.2923	50.6
R 4.6X0.85X38.1	4.6	0.85	38.1	0.2619	55.8
R 4.6X0.85X44.4	4.6	0.85	44.4	0.2216	65.3
R 4.6X0.85X50.8	4.6	0.85	50.8	0.1885	75.3
R 4.6X0.85X57.2	4.6	0.85	57.2	0.1667	84.9
R 4.6X0.85X63.5	4.6	0.85	63.5	0.1472	94.9
R 4.6X0.85X69.8	4.6	0.85	69.8	0.1336	104.4
R 4.7X0.32X12.7	4.7	0.32	12.7	0.0069	61.4
R 4.7X0.32X16.7	4.7	0.32	16.7	0.0042	97.0
R 4.7X0.4X14.3	4.7	0.40	14.3	0.0168	50.7
R 4.7X0.4X19.1	4.7	0.40	19.1	0.0104	77.9
R 4.7X0.4X29	4.7	0.40	29.0	0.0059	132.6
R 4.7X0.4X32	4.7	0.40	32.0	0.0052	150.5
R 4.7X0.4X35	4.7	0.40	35.0	0.0047	166.6
R 4.7X0.4X38	4.7	0.40	38.0	0.0042	184.5
R 4.7X0.4X41	4.7	0.40	41.0	0.0038	200.6
R 4.7X0.4X45	4.7	0.40	45.0	0.0034	223.2
R 4.7X0.4X48	4.7	0.40	48.0	0.0032	241.2
R 4.7X0.4X50	4.7	0.40	50.0	0.0030	252.5
R 4.7X0.4X57	4.7	0.40	57.0	0.0026	291.2
R 4.7X0.4X64	4.7	0.40	64.0	0.0023	331.8
R 4.7X0.45X41	4.7	0.45	41.0	0.0071	159.3
R 4.7X0.45X48	4.7	0.45	48.0	0.0059	191.1
R 4.7X0.45X64	4.7	0.45	64.0	0.0043	261.2
R 4.7X0.5X14.3	4.7	0.50	14.3	0.0554	34.5
R 4.7X0.5X15.9	4.7	0.50	15.9	0.0465	40.0
R 4.7X0.5X36	4.7	0.50	36.0	0.0144	113.4
R 4.7X0.5X45	4.7	0.50	45.0	0.0111	145.8
R 4.7X0.5X48	4.7	0.50	48.0	0.0103	156.6
R 4.7X0.5X64	4.7	0.50	64.0	0.0074	214.3
R 4.7X0.5X85	4.7	0.50	85.0	0.0055	289.9
R 4.7X0.56X14.3	4.7	0.56	14.3	0.0974	29.9

Referenz Nummer	Außendurchmesse r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 4.7X0.56X38	4.7	0.56	38.0	0.0250	98.7
R 4.7X0.56X127	4.7	0.56	127.0	0.0066	358.4
R 4.7X0.56X152	4.7	0.56	152.0	0.0054	431.7
R 4.7X0.65X9.7	4.7	0.65	9.7	0.4977	14.2
R 4.7X0.75X12.7	4.7	0.75	12.7	0.5506	18.7
R 4.7X0.75X48	4.7	0.75	48.0	0.0926	83.5
R 4.8X0.28X15.9	4.8	0.28	15.9	0.0022	122.4
R 4.8X0.3X15.9	4.8	0.30	15.9	0.0031	105.9
R 4.8X0.35X11.2	4.8	0.35	11.2	0.0139	41.4
R 4.8X0.35X22.4	4.8	0.35	22.4	0.0039	129.9
R 4.8X0.35X24.8	4.8	0.35	24.8	0.0034	149.2
R 4.8X0.35X28.4	4.8	0.35	28.4	0.0028	177.0
R 4.8X0.35X34.8	4.8	0.35	34.8	0.0022	226.8
R 4.8X0.35X63	4.8	0.35	63.0	0.0011	450.7
R 4.8X0.36X11.1	4.8	0.36	11.1	0.0170	37.7
R 4.8X0.36X12.7	4.8	0.36	12.7	0.0118	50.9
R 4.8X0.36X13.5	4.8	0.36	13.5	0.0106	56.3
R 4.8X0.36X15.9	4.8	0.36	15.9	0.0077	74.9
R 4.8X0.36X22	4.8	0.36	22.0	0.0047	118.0
R 4.8X0.36X25	4.8	0.36	25.0	0.0039	141.8
R 4.8X0.36X29	4.8	0.36	29.0	0.0032	171.3
R 4.8X0.36X30	4.8	0.36	30.0	0.0030	179.2
R 4.8X0.36X32	4.8	0.36	32.0	0.0028	192.8
R 4.8X0.36X33	4.8	0.36	33.0	0.0027	200.7
R 4.8X0.36X35	4.8	0.36	35.0	0.0025	216.6
R 4.8X0.36X38	4.8	0.36	38.0	0.0023	238.1
R 4.8X0.36X41	4.8	0.36	41.0	0.0021	259.6
R 4.8X0.36X45	4.8	0.36	45.0	0.0019	289.1
R 4.8X0.36X48	4.8	0.36	48.0	0.0017	312.9
R 4.8X0.36X50	4.8	0.36	50.0	0.0016	326.4
R 4.8X0.36X57	4.8	0.36	57.0	0.0014	379.7
R 4.8X0.36X64	4.8	0.36	64.0	0.0012	430.7
R 4.8X0.4X9.5	4.8	0.40	9.5	0.0471	22.3
R 4.8X0.4X12.7	4.8	0.40	12.7	0.0211	41.2
R 4.8X0.4X16.7	4.8	0.40	16.7	0.0125	64.8
R 4.8X0.4X24	4.8	0.40	24.0	0.0070	109.4
R 4.8X0.4X29	4.8	0.40	29.0	0.0055	138.0
R 4.8X0.4X38	4.8	0.40	38.0	0.0039	192.2
R 4.8X0.45X9.5	4.8	0.45	9.5	0.0781	20.1
R 4.8X0.45X10.3	4.8	0.45	10.3	0.0597	24.1
R 4.8X0.45X15.9	4.8	0.45	15.9	0.0248	49.3

Referenz Nummer	Außendurchmesse r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 4.8X0.45X19.1	4.8	0.45	19.1	0.0185	63.9
R 4.8X0.45X20	4.8	0.45	20.0	0.0172	68.1
R 4.8X0.45X22	4.8	0.45	22.0	0.0147	78.2
R 4.8X0.45X30	4.8	0.45	30.0	0.0099	113.9
R 4.8X0.45X38	4.8	0.45	38.0	0.0073	151.2
R 4.8X0.45X45	4.8	0.45	45.0	0.0059	184.3
R 4.8X0.55X32	4.8	0.55	32.0	0.0261	86.4
R 4.8X0.55X87	4.8	0.55	87.0	0.0083	258.3
R 4.8X0.56X19.1	4.8	0.56	19.1	0.0584	44.6
R 4.8X0.56X25	4.8	0.56	25.0	0.0392	63.0
R 4.8X0.56X30	4.8	0.56	30.0	0.0309	78.2
R 4.8X0.56X38	4.8	0.56	38.0	0.0233	102.0
R 4.8X0.56X50	4.8	0.56	50.0	0.0170	137.8
R 4.8X0.56X311	4.8	0.56	311.0	0.0024	927.1
R 4.8X0.65X19.8	4.8	0.65	19.8	0.1241	37.7
R 4.8X0.65X37	4.8	0.65	37.0	0.0536	78.4
R 4.8X0.65X43	4.8	0.65	43.0	0.0450	92.3
R 4.8X0.65X48	4.8	0.65	48.0	0.0394	104.2
R 4.8X0.65X98	4.8	0.65	98.0	0.0180	221.4
R 4.8X0.65X200	4.8	0.65	200.0	0.0085	460.2
R 4.8X0.7X37	4.8	0.70	37.0	0.0798	70.9
R 4.8X0.75X15.9	4.8	0.75	15.9	0.3594	24.9
R 4.8X0.75X19	4.8	0.75	19.0	0.2773	30.7
R 4.8X0.75X22	4.8	0.75	22.0	0.2257	36.3
R 4.8X0.75X25	4.8	0.75	25.0	0.1903	42.0
R 4.8X0.75X29	4.8	0.75	29.0	0.1591	49.3
R 4.8X0.75X32	4.8	0.75	32.0	0.1406	55.0
R 4.8X0.75X35	4.8	0.75	35.0	0.1260	60.7
R 4.8X0.75X38	4.8	0.75	38.0	0.1142	66.4
R 4.8X0.75X45	4.8	0.75	45.0	0.0942	79.4
R 4.8X0.75X50	4.8	0.75	50.0	0.0829	89.0
R 4.8X0.75X57	4.8	0.75	57.0	0.0719	102.0
R 4.8X0.75X64	4.8	0.75	64.0	0.0626	115.7
R 4.8X0.75X76	4.8	0.75	76.0	0.0519	138.4
R 4.8X0.8X11.9	4.8	0.80	11.9	0.8693	16.3
R 4.8X0.8X12.7	4.8	0.80	12.7	0.7671	17.7
R 4.8X0.8X15.5	4.8	0.80	15.5	0.5670	22.3
R 4.8X0.8X17.9	4.8	0.80	17.9	0.4497	26.4
R 4.8X0.8X22	4.8	0.80	22.0	0.3180	34.0
R 4.8X0.8X25.9	4.8	0.80	25.9	0.2661	40.3
R 4.8X0.8X29	4.8	0.80	29.0	0.2288	45.8

Referenz Nummer	Außendurchmesse r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 4.8X0.8X32	4.8	0.80	32.0	0.2006	51.1
R 4.8X0.8X35	4.8	0.80	35.0	0.1786	56.5
R 4.8X0.8X37.9	4.8	0.80	37.9	0.1651	61.1
R 4.8X0.8X40	4.8	0.80	40.0	0.1534	65.0
R 4.8X0.8X43.5	4.8	0.80	43.5	0.1402	70.8
R 4.8X0.8X49.1	4.8	0.80	49.1	0.1219	80.5
R 4.8X0.8X55.5	4.8	0.80	55.5	0.1060	91.6
R 4.8X0.8X61.9	4.8	0.80	61.9	0.0938	102.7
R 4.8X0.8X64	4.8	0.80	64.0	0.0899	106.6
R 4.8X0.8X68.3	4.8	0.80	68.3	0.0841	113.9
R 4.8X0.8X78	4.8	0.80	78.0	0.0720	131.2
R 4.8X0.9X128	4.8	0.90	128.0	0.0832	190.4
R 4.8X1.1X36	4.8	1.10	36.0	1.0708	44.0
R 5X0.25X10	5.0	0.25	10.0	0.0035	56.2
R 5X0.25X12.7	5.0	0.25	12.7	0.0017	107.3
R 5X0.25X29.2	5.0	0.25	29.2	0.0004	414.1
R 5X0.25X51.2	5.0	0.25	51.2	0.0002	823.3
R 5X0.28X11.2	5.0	0.28	11.2	0.0044	61.4
R 5X0.28X15.7	5.0	0.28	15.7	0.0020	125.5
R 5X0.28X19.1	5.0	0.28	19.1	0.0014	173.5
R 5X0.28X22	5.0	0.28	22.0	0.0011	217.4
R 5X0.28X22.4	5.0	0.28	22.4	0.0011	221.5
R 5X0.28X25.4	5.0	0.28	25.4	0.0009	265.4
R 5X0.45X9.7	5.0	0.45	9.7	0.0806	19.6
R 5X0.45X11.5	5.0	0.45	11.5	0.0467	28.6
R 5X0.45X12.5	5.0	0.45	12.5	0.0355	35.0
R 5X0.45X14.2	5.0	0.45	14.2	0.0286	42.1
R 5X0.45X16	5.0	0.45	16.0	0.0227	51.1
R 5X0.45X18.3	5.0	0.45	18.3	0.0174	64.2
R 5X0.45X20	5.0	0.45	20.0	0.0156	71.3
R 5X0.45X25	5.0	0.45	25.0	0.0112	96.2
R 5X0.45X32	5.0	0.45	32.0	0.0080	132.0
R 5X0.45X34	5.0	0.45	34.0	0.0075	141.2
R 5X0.45X38	5.0	0.45	38.0	0.0065	161.4
R 5X0.45X40	5.0	0.45	40.0	0.0060	172.4
R 5X0.45X50	5.0	0.45	50.0	0.0046	222.0
R 5X0.45X63	5.0	0.45	63.0	0.0036	287.3
R 5X0.45X360	5.0	0.45	360.0	0.0006	1773.2
R 5X0.5X11.9	5.0	0.50	11.9	0.0665	27.9
R 5X0.5X12.5	5.0	0.50	12.5	0.0608	30.0
R 5X0.5X16	5.0	0.50	16.0	0.0378	44.1

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 5X0.5X17.4	5.0	0.50	17.4	0.0325	50.1
R 5X0.5X20	5.0	0.50	20.0	0.0264	60.3
R 5X0.5X25	5.0	0.50	25.0	0.0191	80.5
R 5X0.5X28.4	5.0	0.50	28.4	0.0161	94.5
R 5X0.5X30	5.0	0.50	30.0	0.0150	100.7
R 5X0.5X32	5.0	0.50	32.0	0.0138	108.7
R 5X0.5X39.4	5.0	0.50	39.4	0.0107	138.9
R 5X0.5X40	5.0	0.50	40.0	0.0105	141.0
R 5X0.5X50	5.0	0.50	50.0	0.0081	181.4
R 5X0.5X50.4	5.0	0.50	50.4	0.0080	183.3
R 5X0.5X63	5.0	0.50	63.0	0.0062	233.9
R 5X0.5X360	5.0	0.50	360.0	0.0010	1433.5
R 5X0.55X12.5	5.0	0.55	12.5	0.1008	26.1
R 5X0.55X16	5.0	0.55	16.0	0.0641	37.4
R 5X0.55X20	5.0	0.55	20.0	0.0432	51.8
R 5X0.55X25	5.0	0.55	25.0	0.0316	68.5
R 5X0.55X32	5.0	0.55	32.0	0.0233	91.0
R 5X0.55X40	5.0	0.55	40.0	0.0175	118.5
R 5X0.55X50	5.0	0.55	50.0	0.0135	151.8
R 5X0.55X63	5.0	0.55	63.0	0.0103	196.0
R 5X0.55X360	5.0	0.55	360.0	0.0016	1193.4
R 5X0.6X12.5	5.0	0.60	12.5	0.1632	23.1
R 5X0.6X16	5.0	0.60	16.0	0.1000	33.3
R 5X0.6X20	5.0	0.60	20.0	0.0689	45.2
R 5X0.6X25	5.0	0.60	25.0	0.0508	59.1
R 5X0.6X32	5.0	0.60	32.0	0.0365	79.5
R 5X0.6X40	5.0	0.60	40.0	0.0279	102.1
R 5X0.6X50	5.0	0.60	50.0	0.0214	131.1
R 5X0.6X63	5.0	0.60	63.0	0.0166	167.5
R 5X0.6X360	5.0	0.60	360.0	0.0026	1018.0
R 5X0.65X20	5.0	0.65	20.0	0.1078	39.9
R 5X0.65X25	5.0	0.65	25.0	0.0775	52.7
R 5X0.65X30	5.0	0.65	30.0	0.0605	65.5
R 5X0.65X40	5.0	0.65	40.0	0.0429	90.0
R 5X0.65X50	5.0	0.65	50.0	0.0332	114.6
R 5X0.7X12.5	5.0	0.70	12.5	0.3619	19.7
R 5X0.7X13.5	5.0	0.70	13.5	0.2930	22.4
R 5X0.7X16	5.0	0.70	16.0	0.2279	27.5
R 5X0.7X17.7	5.0	0.70	17.7	0.1865	31.7
R 5X0.7X20	5.0	0.70	20.0	0.1578	36.6
R 5X0.7X24	5.0	0.70	24.0	0.1206	45.7

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 5X0.7X25	5.0	0.70	25.0	0.1161	47.5
R 5X0.7X32	5.0	0.70	32.0	0.0843	63.0
R 5X0.7X34.5	5.0	0.70	34.5	0.0760	68.9
R 5X0.7X38	5.0	0.70	38.0	0.0676	76.6
R 5X0.7X40	5.0	0.70	40.0	0.0648	80.3
R 5X0.7X43	5.0	0.70	43.0	0.0586	87.6
R 5X0.7X46	5.0	0.70	46.0	0.0545	94.0
R 5X0.7X48	5.0	0.70	48.0	0.0517	98.5
R 5X0.7X48.5	5.0	0.70	48.5	0.0509	99.9
R 5X0.7X50	5.0	0.70	50.0	0.0492	103.1
R 5X0.7X63	5.0	0.70	63.0	0.0382	131.4
R 5X0.7X76	5.0	0.70	76.0	0.0309	160.5
R 5X0.7X83	5.0	0.70	83.0	0.0281	176.0
R 5X0.7X90.8	5.0	0.70	90.8	0.0255	193.2
R 5X0.7X360	5.0	0.70	360.0	0.0061	789.4
R 5X0.75X152	5.0	0.75	152.0	0.0216	297.3
R 5X0.8X12.5	5.0	0.80	12.5	0.7510	17.4
R 5X0.8X16	5.0	0.80	16.0	0.4506	24.2
R 5X0.8X20	5.0	0.80	20.0	0.3218	31.5
R 5X0.8X25	5.0	0.80	25.0	0.2397	40.5
R 5X0.8X32	5.0	0.80	32.0	0.1733	53.4
R 5X0.8X40	5.0	0.80	40.0	0.1325	68.0
R 5X0.8X50	5.0	0.80	50.0	0.1033	85.9
R 5X0.8X63	5.0	0.80	63.0	0.0799	109.5
R 5X0.8X76	5.0	0.80	76.0	0.0644	133.7
R 5X0.8X360	5.0	0.80	360.0	0.0127	651.8
R 5X1X15.8	5.0	1.00	15.8	1.5160	20.1
R 5X1X21.8	5.0	1.00	21.8	0.9647	28.6
R 5X1X30.8	5.0	1.00	30.8	0.6242	41.4
R 5.1X0.56X15.1	5.1	0.56	15.1	0.0738	34.3
R 5.1X0.56X24	5.1	0.56	24.0	0.0351	64.4
R 5.1X0.56X60	5.1	0.56	60.0	0.0113	185.0
R 5.1X0.65X100	5.1	0.65	100.0	0.0144	246.8
R 5.1X0.7X31	5.1	0.70	31.0	0.0832	61.9
R 5.2X0.5X12.7	5.2	0.50	12.7	0.0584	30.3
R 5.2X0.56X76	5.2	0.56	76.0	0.0081	247.6
R 5.2X0.65X43	5.2	0.65	43.0	0.0348	102.7
R 5.2X0.7X20	5.2	0.70	20.0	0.1451	37.5
R 5.2X0.7X50	5.2	0.70	50.0	0.0436	108.0
R 5.2X0.7X103	5.2	0.70	103.0	0.0195	232.7
R 5.2X0.7X203	5.2	0.70	203.0	0.0096	467.6

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 5.2X0.75X38	5.2	0.75	38.0	0.0881	72.5
R 5.4X0.32X11.2	5.4	0.32	11.2	0.0078	49.6
R 5.4X0.32X15.7	5.4	0.32	15.7	0.0033	105.3
R 5.4X0.32X15.9	5.4	0.32	15.9	0.0033	105.5
R 5.4X0.32X19.1	5.4	0.32	19.1	0.0024	145.3
R 5.4X0.32X22	5.4	0.32	22.0	0.0019	181.1
R 5.4X0.32X22.4	5.4	0.32	22.4	0.0018	188.8
R 5.4X0.32X23.7	5.4	0.32	23.7	0.0016	204.7
R 5.4X0.32X24	5.4	0.32	24.0	0.0016	208.7
R 5.4X0.32X25.4	5.4	0.32	25.4	0.0015	224.7
R 5.4X0.32X26	5.4	0.32	26.0	0.0014	232.6
R 5.4X0.32X38	5.4	0.32	38.0	0.0009	380.0
R 5.4X0.4X12.5	5.4	0.40	12.5	0.0181	42.5
R 5.4X0.4X17.7	5.4	0.40	17.7	0.0085	81.6
R 5.4X0.4X23.7	5.4	0.40	23.7	0.0053	126.8
R 5.4X0.4X29.4	5.4	0.40	29.4	0.0038	171.6
R 5.4X0.4X40	5.4	0.40	40.0	0.0026	250.1
R 5.4X0.4X50	5.4	0.40	50.0	0.0020	325.3
R 5.5X0.32X10	5.5	0.32	10.0	0.0140	31.0
R 5.5X0.32X11.3	5.5	0.32	11.3	0.0073	51.4
R 5.5X0.32X13.2	5.5	0.32	13.2	0.0050	72.4
R 5.5X0.32X16.1	5.5	0.32	16.1	0.0030	113.5
R 5.5X0.32X20.9	5.5	0.32	20.9	0.0019	175.6
R 5.5X0.32X27.3	5.5	0.32	27.3	0.0013	258.3
R 5.5X0.4X11.1	5.5	0.40	11.1	0.0262	31.6
R 5.5X0.4X48	5.5	0.40	48.0	0.0020	322.1
R 5.5X0.4X64	5.5	0.40	64.0	0.0014	447.2
R 5.5X0.45X36	5.5	0.45	36.0	0.0052	178.0
R 5.5X0.45X38	5.5	0.45	38.0	0.0048	191.4
R 5.5X0.45X43	5.5	0.45	43.0	0.0041	221.4
R 5.5X0.45X67	5.5	0.45	67.0	0.0025	365.8
R 5.5X0.5X12.7	5.5	0.50	12.7	0.0485	32.9
R 5.5X0.5X13.7	5.5	0.50	13.7	0.0408	37.7
R 5.5X0.5X15.7	5.5	0.50	15.7	0.0309	47.4
R 5.5X0.5X17.4	5.5	0.50	17.4	0.0261	54.9
R 5.5X0.5X20.2	5.5	0.50	20.2	0.0200	69.3
R 5.5X0.5X24	5.5	0.50	24.0	0.0157	86.5
R 5.5X0.5X27.7	5.5	0.50	27.7	0.0126	105.6
R 5.5X0.5X31.2	5.5	0.50	31.2	0.0107	122.6
R 5.5X0.5X34.7	5.5	0.50	34.7	0.0093	139.5
R 5.5X0.5X37.7	5.5	0.50	37.7	0.0084	154.1

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 5.5X0.5X38	5.5	0.50	38.0	0.0084	154.4
R 5.5X0.5X38.7	5.5	0.50	38.7	0.0082	158.9
R 5.5X0.5X42.7	5.5	0.50	42.7	0.0072	178.3
R 5.5X0.5X46.7	5.5	0.50	46.7	0.0065	197.7
R 5.5X0.5X64	5.5	0.50	64.0	0.0045	280.4
R 5.5X0.56X38	5.5	0.56	38.0	0.0152	125.2
R 5.5X0.56X48	5.5	0.56	48.0	0.0115	164.0
R 5.5X0.56X64	5.5	0.56	64.0	0.0083	224.8
R 5.5X0.56X125	5.5	0.56	125.0	0.0040	460.3
R 5.5X0.7X19.8	5.5	0.70	19.8	0.1264	38.9
R 5.5X0.7X25	5.5	0.70	25.0	0.0867	52.9
R 5.5X0.75X25	5.5	0.75	25.0	0.1280	47.7
R 5.5X0.8X15	5.5	0.80	15.0	0.4231	23.1
R 5.5X0.8X17.4	5.5	0.80	17.4	0.3215	28.1
R 5.5X0.8X19.8	5.5	0.80	19.8	0.2593	33.1
R 5.5X0.8X27	5.5	0.80	27.0	0.1640	48.0
R 5.5X0.8X39	5.5	0.80	39.0	0.1018	72.9
R 5.5X0.8X290	5.5	0.80	290.0	0.0114	593.3
R 5.5X1.1X17.4	5.5	1.10	17.4	1.6676	22.1
R 5.5X1.1X24	5.5	1.10	24.0	1.0612	31.4
R 5.5X1.1X33.9	5.5	1.10	33.9	0.6867	45.3
R 5.5X1.1X50.4	5.5	1.10	50.4	0.4323	68.6
R 5.5X1.1X72.4	5.5	1.10	72.4	0.2894	99.5
R 5.5X1.25X17.3	5.5	1.25	17.3	3.4105	20.5
R 5.5X1.25X24.8	5.5	1.25	24.8	2.0903	30.0
R 5.5X1.25X34.8	5.5	1.25	34.8	1.3787	42.6
R 5.6X0.36X24	5.6	0.36	24.0	0.0027	169.3
R 5.6X0.4X17.4	5.6	0.40	17.4	0.0079	84.3
R 5.6X0.45X17.4	5.6	0.45	17.4	0.0149	66.1
R 5.6X0.45X25	5.6	0.45	25.0	0.0082	114.0
R 5.6X0.45X30	5.6	0.45	30.0	0.0063	145.1
R 5.6X0.45X64	5.6	0.45	64.0	0.0025	359.6
R 5.6X0.55X52	5.6	0.55	52.0	0.0090	190.8
R 5.6X0.56X32	5.6	0.56	32.0	0.0180	104.8
R 5.6X0.65X15.1	5.6	0.65	15.1	0.1304	30.1
R 5.6X0.65X23.3	5.6	0.65	23.3	0.0612	55.2
R 5.6X0.65X30	5.6	0.65	30.0	0.0435	75.0
R 5.6X0.65X32.8	5.6	0.65	32.8	0.0389	83.0
R 5.6X0.65X37.2	5.6	0.65	37.2	0.0330	96.5
R 5.6X0.65X41.6	5.6	0.65	41.6	0.0286	110.1
R 5.6X0.65X46.7	5.6	0.65	46.7	0.0248	125.6

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 5.6X0.65X53.7	5.6	0.65	53.7	0.0210	146.9
R 5.6X0.65X58.8	5.6	0.65	58.8	0.0191	161.2
R 5.6X0.65X83	5.6	0.65	83.0	0.0129	234.9
R 5.6X0.7X20	5.6	0.70	20.0	0.1188	40.1
R 5.6X0.7X41	5.6	0.70	41.0	0.0438	95.5
R 5.6X0.7X150	5.6	0.70	150.0	0.0102	383.3
R 5.6X0.85X11.9	5.6	0.85	11.9	0.9022	16.3
R 5.6X0.9X36	5.6	0.90	36.0	0.1981	59.4
R 5.8X0.8X17.9	5.8	0.80	17.9	0.2671	30.3
R 5.8X0.8X28.3	5.8	0.80	28.3	0.1309	53.5
R 5.8X0.8X40	5.8	0.80	40.0	0.0824	80.1
R 5.8X0.8X45.1	5.8	0.80	45.1	0.0718	91.1
R 5.8X0.8X57.1	5.8	0.80	57.1	0.0543	118.0
R 5.8X0.8X63.5	5.8	0.80	63.5	0.0480	132.3
R 5.8X0.8X69.9	5.8	0.80	69.9	0.0431	146.6
R 5.8X0.8X200	5.8	0.80	200.0	0.0139	438.1
R 5.9X0.36X26	5.9	0.36	26.0	0.0021	209.3
R 5.9X0.56X19.1	5.9	0.56	19.1	0.0337	56.3
R 5.9X0.56X19.8	5.9	0.56	19.8	0.0321	58.9
R 5.9X0.56X26	5.9	0.56	26.0	0.0209	86.0
R 5.9X0.56X60	5.9	0.56	60.0	0.0071	236.3
R 5.9X0.6X24	5.9	0.60	24.0	0.0335	69.1
R 5.9X0.6X26	5.9	0.60	26.0	0.0301	76.2
R 5.9X0.6X60	5.9	0.60	60.0	0.0103	207.3
R 5.9X0.7X200	5.9	0.70	200.0	0.0063	560.3
R 5.9X1X32	5.9	1.00	32.0	0.3534	48.6
R 5.9X1X60	5.9	1.00	60.0	0.1649	95.5
R 5.9X1X77	5.9	1.00	77.0	0.1246	124.0
R 5.9X1.2X54	5.9	1.20	54.0	0.5151	72.1
R 6X0.35X11	6.0	0.35	11.0	0.0130	37.7
R 6X0.35X12.4	6.0	0.35	12.4	0.0081	55.5
R 6X0.35X14.6	6.0	0.35	14.6	0.0051	82.3
R 6X0.35X17.8	6.0	0.35	17.8	0.0033	122.4
R 6X0.35X23.2	6.0	0.35	23.2	0.0020	193.4
R 6X0.35X30.4	6.0	0.35	30.4	0.0014	282.6
R 6X0.36X15.9	6.0	0.36	15.9	0.0049	92.6
R 6X0.55X13.9	6.0	0.55	13.9	0.0548	35.4
R 6X0.55X17.2	6.0	0.55	17.2	0.0349	50.9
R 6X0.55X22.1	6.0	0.55	22.1	0.0235	72.2
R 6X0.55X30.4	6.0	0.55	30.4	0.0142	113.2
R 6X0.55X41.4	6.0	0.55	41.4	0.0095	165.1

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 6X0.55X43	6.0	0.55	43.0	0.0092	170.8
R 6X0.55X87	6.0	0.55	87.0	0.0040	378.4
R 6X0.55X102	6.0	0.55	102.0	0.0034	450.7
R 6X0.55X203	6.0	0.55	203.0	0.0016	925.9
R 6X0.56X31	6.0	0.56	31.0	0.0154	111.4
R 6X0.56X38	6.0	0.56	38.0	0.0119	142.3
R 6X0.56X150	6.0	0.56	150.0	0.0025	651.6
R 6X0.56X152	6.0	0.56	152.0	0.0024	661.5
R 6X0.6X63	6.0	0.60	63.0	0.0092	225.5
R 6X0.65X30	6.0	0.65	30.0	0.0355	82.1
R 6X0.65X36	6.0	0.65	36.0	0.0279	102.1
R 6X0.65X37	6.0	0.65	37.0	0.0267	106.2
R 6X0.65X40	6.0	0.65	40.0	0.0245	115.4
R 6X0.65X48	6.0	0.65	48.0	0.0193	143.6
R 6X0.65X50	6.0	0.65	50.0	0.0184	150.3
R 6X0.65X60	6.0	0.65	60.0	0.0149	183.6
R 6X0.75X31	6.0	0.75	31.0	0.0730	68.1
R 6X0.75X38	6.0	0.75	38.0	0.0550	87.2
R 6X0.75X152	6.0	0.75	152.0	0.0116	386.0
R 6X0.8X11.9	6.0	0.80	11.9	0.5396	17.9
R 6X0.8X22.1	6.0	0.80	22.1	0.1696	41.1
R 6X0.8X24	6.0	0.80	24.0	0.1448	46.2
R 6X0.8X25	6.0	0.80	25.0	0.1380	48.3
R 6X0.8X25.4	6.0	0.80	25.4	0.1380	48.7
R 6X0.8X28.4	6.0	0.80	28.4	0.1164	56.0
R 6X0.8X30	6.0	0.80	30.0	0.1079	59.8
R 6X0.8X33	6.0	0.80	33.0	0.0942	67.1
R 6X0.8X40	6.0	0.80	40.0	0.0733	83.9
R 6X0.8X50	6.0	0.80	50.0	0.0565	106.9
R 6X0.8X60	6.0	0.80	60.0	0.0453	131.0
R 6X0.8X67	6.0	0.80	67.0	0.0404	146.6
R 6X0.85X21	6.0	0.85	21.0	0.2512	36.0
R 6X0.85X92	6.0	0.85	92.0	0.0391	188.5
R 6X0.9X24	6.0	0.90	24.0	0.2724	40.1
R 6X0.9X68	6.0	0.90	68.0	0.0746	126.8
R 6X0.9X75	6.0	0.90	75.0	0.0676	139.9
R 6X0.9X96	6.0	0.90	96.0	0.0512	181.8
R 6X0.9X111	6.0	0.90	111.0	0.0440	210.8
R 6X1X19.4	6.0	1.00	19.4	0.6520	28.3
R 6X1X24	6.0	1.00	24.0	0.4939	35.7
R 6X1X27	6.0	1.00	27.0	0.4179	40.8

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 6X1X31.8	6.0	1.00	31.8	0.3327	49.2
R 6X1X32.4	6.0	1.00	32.4	0.3196	50.5
R 6X1X36.4	6.0	1.00	36.4	0.2763	57.3
R 6X1X47.4	6.0	1.00	47.4	0.2012	76.1
R 6X1X48	6.0	1.00	48.0	0.2012	76.7
R 6X1X48.4	6.0	1.00	48.4	0.1964	77.8
R 6X1X54	6.0	1.00	54.0	0.1753	87.0
R 6X1X54.4	6.0	1.00	54.4	0.1716	88.1
R 6X1X61.4	6.0	1.00	61.4	0.1495	100.1
R 6X1X63.4	6.0	1.00	63.4	0.1442	103.5
R 6X1X63.5	6.0	1.00	63.5	0.1442	103.6
R 6X1X67	6.0	1.00	67.0	0.1370	109.2
R 6X1X69.4	6.0	1.00	69.4	0.1304	113.7
R 6X1X69.8	6.0	1.00	69.8	0.1304	114.1
R 6X1X73	6.0	1.00	73.0	0.1244	119.5
R 6X1X77.4	6.0	1.00	77.4	0.1156	127.4
R 6X1X85.4	6.0	1.00	85.4	0.1038	141.1
R 6X1.2X19	6.0	1.20	19.0	1.8192	24.1
R 6X1.2X26.2	6.0	1.20	26.2	1.1577	34.2
R 6X1.2X37	6.0	1.20	37.0	0.7491	49.3
R 6.1X0.45X15.7	6.1	0.45	15.7	0.0149	60.9
R 6.1X0.45X15.9	6.1	0.45	15.9	0.0149	61.1
R 6.1X0.45X19	6.1	0.45	19.0	0.0103	84.6
R 6.1X0.45X19.1	6.1	0.45	19.1	0.0103	84.7
R 6.1X0.45X22	6.1	0.45	22.0	0.0079	108.0
R 6.1X0.45X22.4	6.1	0.45	22.4	0.0076	111.4
R 6.1X0.45X25	6.1	0.45	25.0	0.0063	131.5
R 6.1X0.45X25.4	6.1	0.45	25.4	0.0063	131.9
R 6.1X0.45X29	6.1	0.45	29.0	0.0052	158.8
R 6.1X0.45X31.8	6.1	0.45	31.8	0.0045	182.0
R 6.1X0.45X32	6.1	0.45	32.0	0.0045	182.2
R 6.1X0.45X35	6.1	0.45	35.0	0.0040	205.6
R 6.1X0.45X38	6.1	0.45	38.0	0.0036	226.1
R 6.1X0.45X38.1	6.1	0.45	38.1	0.0035	229.1
R 6.1X0.45X45	6.1	0.45	45.0	0.0029	279.8
R 6.1X0.45X50	6.1	0.45	50.0	0.0025	316.9
R 6.1X0.45X50.8	6.1	0.45	50.8	0.0025	323.5
R 6.1X0.45X57	6.1	0.45	57.0	0.0022	370.5
R 6.1X0.45X63.5	6.1	0.45	63.5	0.0019	417.9
R 6.1X0.45X64	6.1	0.45	64.0	0.0019	421.3
R 6.1X0.45X69.8	6.1	0.45	69.8	0.0017	465.0

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 6.1X0.55X15.7	6.1	0.55	15.7	0.0404	44.4
R 6.1X0.55X19	6.1	0.55	19.0	0.0280	60.5
R 6.1X0.55X22.4	6.1	0.55	22.4	0.0214	76.7
R 6.1X0.55X25.4	6.1	0.55	25.4	0.0179	90.4
R 6.1X0.55X28.4	6.1	0.55	28.4	0.0149	106.1
R 6.1X0.55X31.8	6.1	0.55	31.8	0.0128	122.3
R 6.1X0.55X34.8	6.1	0.55	34.8	0.0115	136.0
R 6.1X0.55X38.1	6.1	0.55	38.1	0.0102	152.0
R 6.1X0.55X44.4	6.1	0.55	44.4	0.0083	183.9
R 6.1X0.55X50.8	6.1	0.55	50.8	0.0071	213.7
R 6.1X0.55X57.2	6.1	0.55	57.2	0.0062	245.7
R 6.1X0.55X63.5	6.1	0.55	63.5	0.0055	275.4
R 6.1X0.55X69.8	6.1	0.55	69.8	0.0049	307.3
R 6.1X0.56X15.9	6.1	0.56	15.9	0.0436	43.8
R 6.1X0.56X19.1	6.1	0.56	19.1	0.0319	57.4
R 6.1X0.56X22	6.1	0.56	22.0	0.0241	72.7
R 6.1X0.56X29	6.1	0.56	29.0	0.0161	104.5
R 6.1X0.56X32	6.1	0.56	32.0	0.0142	117.9
R 6.1X0.56X35	6.1	0.56	35.0	0.0124	133.3
R 6.1X0.56X38	6.1	0.56	38.0	0.0112	146.6
R 6.1X0.56X45	6.1	0.56	45.0	0.0090	180.5
R 6.1X0.56X50	6.1	0.56	50.0	0.0079	204.1
R 6.1X0.56X57	6.1	0.56	57.0	0.0068	236.0
R 6.1X0.56X70	6.1	0.56	70.0	0.0054	296.6
R 6.1X0.65X12.7	6.1	0.65	12.7	0.1728	23.2
R 6.1X0.65X15.7	6.1	0.65	15.7	0.0977	34.3
R 6.1X0.65X15.9	6.1	0.65	15.9	0.0977	34.5
R 6.1X0.65X19	6.1	0.65	19.0	0.0681	45.7
R 6.1X0.65X22	6.1	0.65	22.0	0.0523	56.8
R 6.1X0.65X22.4	6.1	0.65	22.4	0.0523	57.2
R 6.1X0.65X25	6.1	0.65	25.0	0.0441	66.3
R 6.1X0.65X25.4	6.1	0.65	25.4	0.0424	68.4
R 6.1X0.65X28.4	6.1	0.65	28.4	0.0368	77.8
R 6.1X0.65X29	6.1	0.65	29.0	0.0357	80.1
R 6.1X0.65X31.8	6.1	0.65	31.8	0.0308	91.0
R 6.1X0.65X32	6.1	0.65	32.0	0.0308	91.2
R 6.1X0.65X34.8	6.1	0.65	34.8	0.0277	100.4
R 6.1X0.65X35	6.1	0.65	35.0	0.0271	102.3
R 6.1X0.65X38	6.1	0.65	38.0	0.0247	111.8
R 6.1X0.65X38.1	6.1	0.65	38.1	0.0247	111.9
R 6.1X0.65X44.4	6.1	0.65	44.4	0.0202	134.4

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 6.1X0.65X45	6.1	0.65	45.0	0.0199	136.6
R 6.1X0.65X50	6.1	0.65	50.0	0.0174	154.5
R 6.1X0.65X57	6.1	0.65	57.0	0.0151	177.8
R 6.1X0.65X57.2	6.1	0.65	57.2	0.0149	179.6
R 6.1X0.65X63.5	6.1	0.65	63.5	0.0133	200.5
R 6.1X0.65X64	6.1	0.65	64.0	0.0131	202.6
R 6.1X0.65X69.8	6.1	0.65	69.8	0.0119	223.0
R 6.1X0.65X70	6.1	0.65	70.0	0.0119	223.2
R 6.1X0.65X76	6.1	0.65	76.0	0.0108	245.4
R 6.1X0.65X76.2	6.1	0.65	76.2	0.0108	245.6
R 6.1X0.65X88.9	6.1	0.65	88.9	0.0091	289.1
R 6.1X0.65X89	6.1	0.65	89.0	0.0090	290.8
R 6.1X0.65X101.6	6.1	0.65	101.6	0.0078	334.2
R 6.1X0.65X102	6.1	0.65	102.0	0.0078	336.2
R 6.1X0.65X114.3	6.1	0.65	114.3	0.0069	379.3
R 6.1X0.65X115	6.1	0.65	115.0	0.0068	381.6
R 6.1X0.65X127	6.1	0.65	127.0	0.0062	422.8
R 6.1X0.75X15.7	6.1	0.75	15.7	0.2005	29.0
R 6.1X0.75X15.9	6.1	0.75	15.9	0.2005	29.2
R 6.1X0.75X19	6.1	0.75	19.0	0.1452	37.4
R 6.1X0.75X19.1	6.1	0.75	19.1	0.1452	37.5
R 6.1X0.75X22	6.1	0.75	22.0	0.1138	45.5
R 6.1X0.75X22.4	6.1	0.75	22.4	0.1079	47.1
R 6.1X0.75X25	6.1	0.75	25.0	0.0936	53.6
R 6.1X0.75X25.4	6.1	0.75	25.4	0.0896	55.2
R 6.1X0.75X28.4	6.1	0.75	28.4	0.0765	63.3
R 6.1X0.75X29	6.1	0.75	29.0	0.0765	63.9
R 6.1X0.75X31.8	6.1	0.75	31.8	0.0668	71.8
R 6.1X0.75X32	6.1	0.75	32.0	0.0668	72.0
R 6.1X0.75X34.8	6.1	0.75	34.8	0.0593	79.9
R 6.1X0.75X35	6.1	0.75	35.0	0.0593	80.1
R 6.1X0.75X38	6.1	0.75	38.0	0.0533	88.1
R 6.1X0.75X38.1	6.1	0.75	38.1	0.0533	88.2
R 6.1X0.75X44.4	6.1	0.75	44.4	0.0434	106.0
R 6.1X0.75X45	6.1	0.75	45.0	0.0425	107.8
R 6.1X0.75X50	6.1	0.75	50.0	0.0379	120.4
R 6.1X0.75X50.8	6.1	0.75	50.8	0.0373	122.5
R 6.1X0.75X57	6.1	0.75	57.0	0.0321	140.1
R 6.1X0.75X57.2	6.1	0.75	57.2	0.0321	140.3
R 6.1X0.75X63.5	6.1	0.75	63.5	0.0286	156.8
R 6.1X0.75X64	6.1	0.75	64.0	0.0283	158.5

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 6.1X0.75X69.8	6.1	0.75	69.8	0.0255	174.5
R 6.1X0.75X70	6.1	0.75	70.0	0.0255	174.7
R 6.1X0.75X76	6.1	0.75	76.0	0.0233	190.9
R 6.1X0.75X76.2	6.1	0.75	76.2	0.0233	191.1
R 6.1X0.75X88.9	6.1	0.75	88.9	0.0196	225.3
R 6.1X0.75X89	6.1	0.75	89.0	0.0196	225.4
R 6.1X0.75X101.6	6.1	0.75	101.6	0.0169	259.6
R 6.1X0.75X102	6.1	0.75	102.0	0.0168	261.3
R 6.1X0.75X114.3	6.1	0.75	114.3	0.0149	293.9
R 6.1X0.75X115	6.1	0.75	115.0	0.0148	295.8
R 6.1X0.75X127	6.1	0.75	127.0	0.0133	328.2
R 6.1X0.8X15.7	6.1	0.80	15.7	0.2950	26.5
R 6.1X0.8X15.9	6.1	0.80	15.9	0.2950	26.7
R 6.1X0.8X19	6.1	0.80	19.0	0.2076	34.3
R 6.1X0.8X22	6.1	0.80	22.0	0.1602	41.8
R 6.1X0.8X22.4	6.1	0.80	22.4	0.1515	43.3
R 6.1X0.8X29	6.1	0.80	29.0	0.1058	59.0
R 6.1X0.8X31.8	6.1	0.80	31.8	0.0950	65.2
R 6.1X0.8X34.8	6.1	0.80	34.8	0.0837	72.7
R 6.1X0.8X35	6.1	0.80	35.0	0.0837	72.9
R 6.1X0.8X38	6.1	0.80	38.0	0.0747	80.4
R 6.1X0.8X38.1	6.1	0.80	38.1	0.0747	80.5
R 6.1X0.8X44.4	6.1	0.80	44.4	0.0616	95.9
R 6.1X0.8X45	6.1	0.80	45.0	0.0603	97.6
R 6.1X0.8X57	6.1	0.80	57.0	0.0456	126.6
R 6.1X0.8X57.2	6.1	0.80	57.2	0.0456	126.8
R 6.1X0.8X63.5	6.1	0.80	63.5	0.0403	142.2
R 6.1X0.8X69.8	6.1	0.80	69.8	0.0362	157.5
R 6.1X0.8X70	6.1	0.80	70.0	0.0362	157.7
R 6.1X0.8X76	6.1	0.80	76.0	0.0328	172.8
R 6.1X0.8X76.2	6.1	0.80	76.2	0.0328	173.0
R 6.1X0.8X88.9	6.1	0.80	88.9	0.0276	203.8
R 6.1X0.8X89	6.1	0.80	89.0	0.0276	203.9
R 6.1X0.8X101.6	6.1	0.80	101.6	0.0239	234.6
R 6.1X0.8X102	6.1	0.80	102.0	0.0239	235.0
R 6.1X0.8X114.3	6.1	0.80	114.3	0.0212	264.3
R 6.1X0.8X115	6.1	0.80	115.0	0.0210	266.1
R 6.1X0.8X127	6.1	0.80	127.0	0.0189	295.1
R 6.1X0.85X15.7	6.1	0.85	15.7	0.3868	25.3
R 6.1X0.85X15.9	6.1	0.85	15.9	0.3868	25.5
R 6.1X0.85X19	6.1	0.85	19.0	0.2722	32.7

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 6.1X0.85X22	6.1	0.85	22.0	0.2227	38.7
R 6.1X0.85X22.4	6.1	0.85	22.4	0.2100	40.1
R 6.1X0.85X25	6.1	0.85	25.0	0.1793	45.8
R 6.1X0.85X25.4	6.1	0.85	25.4	0.1793	46.2
R 6.1X0.85X28.4	6.1	0.85	28.4	0.1500	53.2
R 6.1X0.85X29	6.1	0.85	29.0	0.1500	53.8
R 6.1X0.85X31.8	6.1	0.85	31.8	0.1290	60.7
R 6.1X0.85X34.8	6.1	0.85	34.8	0.1167	66.7
R 6.1X0.85X35	6.1	0.85	35.0	0.1167	66.9
R 6.1X0.85X38	6.1	0.85	38.0	0.1035	74.0
R 6.1X0.85X38.1	6.1	0.85	38.1	0.1035	74.1
R 6.1X0.85X44.4	6.1	0.85	44.4	0.0865	87.5
R 6.1X0.85X45	6.1	0.85	45.0	0.0845	89.1
R 6.1X0.85X50	6.1	0.85	50.0	0.0742	100.2
R 6.1X0.85X50.8	6.1	0.85	50.8	0.0728	102.0
R 6.1X0.85X57	6.1	0.85	57.0	0.0639	115.3
R 6.1X0.85X57.2	6.1	0.85	57.2	0.0628	116.5
R 6.1X0.85X63.5	6.1	0.85	63.5	0.0561	129.9
R 6.1X0.85X64	6.1	0.85	64.0	0.0553	131.4
R 6.1X0.85X69.8	6.1	0.85	69.8	0.0507	143.3
R 6.1X0.85X70	6.1	0.85	70.0	0.0500	144.5
R 6.1X0.85X76	6.1	0.85	76.0	0.0457	157.6
R 6.1X0.85X76.2	6.1	0.85	76.2	0.0457	157.8
R 6.1X0.85X88.9	6.1	0.85	88.9	0.0385	185.7
R 6.1X0.85X89	6.1	0.85	89.0	0.0385	185.8
R 6.1X0.85X101.6	6.1	0.85	101.6	0.0333	213.6
R 6.1X0.85X102	6.1	0.85	102.0	0.0333	214.0
R 6.1X0.85X114.3	6.1	0.85	114.3	0.0293	241.5
R 6.1X0.85X115	6.1	0.85	115.0	0.0291	243.3
R 6.1X0.85X127	6.1	0.85	127.0	0.0262	269.5
R 6.1X0.9X15.7	6.1	0.90	15.7	0.5593	23.4
R 6.1X0.9X15.9	6.1	0.90	15.9	0.5004	24.6
R 6.1X0.9X19	6.1	0.90	19.0	0.3803	30.4
R 6.1X0.9X19.1	6.1	0.90	19.1	0.3803	30.5
R 6.1X0.9X22	6.1	0.90	22.0	0.3067	36.1
R 6.1X0.9X25	6.1	0.90	25.0	0.2438	42.8
R 6.1X0.9X25.4	6.1	0.90	25.4	0.2438	43.2
R 6.1X0.9X28.4	6.1	0.90	28.4	0.2113	48.9
R 6.1X0.9X29	6.1	0.90	29.0	0.2023	50.4
R 6.1X0.9X31.8	6.1	0.90	31.8	0.1794	56.0
R 6.1X0.9X32	6.1	0.90	32.0	0.1794	56.2

Referenz Nummer	Außendurchmesse r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 6.1X0.9X34.8	6.1	0.90	34.8	0.1559	62.6
R 6.1X0.9X35	6.1	0.90	35.0	0.1559	62.8
R 6.1X0.9X38	6.1	0.90	38.0	0.1419	68.5
R 6.1X0.9X38.1	6.1	0.90	38.1	0.1419	68.6
R 6.1X0.9X44.4	6.1	0.90	44.4	0.1174	81.3
R 6.1X0.9X45	6.1	0.90	45.0	0.1145	82.8
R 6.1X0.9X50	6.1	0.90	50.0	0.1022	92.4
R 6.1X0.9X50.8	6.1	0.90	50.8	0.1001	94.1
R 6.1X0.9X57	6.1	0.90	57.0	0.0872	106.7
R 6.1X0.9X57.2	6.1	0.90	57.2	0.0872	106.9
R 6.1X0.9X63.5	6.1	0.90	63.5	0.0773	119.6
R 6.1X0.9X64	6.1	0.90	64.0	0.0761	121.0
R 6.1X0.9X69.8	6.1	0.90	69.8	0.0694	132.2
R 6.1X0.9X70	6.1	0.90	70.0	0.0684	133.4
R 6.1X0.9X76	6.1	0.90	76.0	0.0630	144.8
R 6.1X0.9X76.2	6.1	0.90	76.2	0.0621	145.9
R 6.1X0.9X82.6	6.1	0.90	82.6	0.0569	158.7
R 6.1X0.9X83	6.1	0.90	83.0	0.0569	159.1
R 6.1X0.9X88.9	6.1	0.90	88.9	0.0525	171.4
R 6.1X0.9X89	6.1	0.90	89.0	0.0525	171.5
R 6.1X0.9X101.6	6.1	0.90	101.6	0.0455	196.9
R 6.1X0.9X102	6.1	0.90	102.0	0.0455	197.3
R 6.1X0.9X114.3	6.1	0.90	114.3	0.0401	222.3
R 6.1X0.9X115	6.1	0.90	115.0	0.0398	223.9
R 6.1X0.9X127	6.1	0.90	127.0	0.0359	247.8
R 6.1X1X15.9	6.1	1.00	15.9	0.9035	22.2
R 6.1X1X19	6.1	1.00	19.0	0.6678	27.5
R 6.1X1X19.1	6.1	1.00	19.1	0.6678	27.6
R 6.1X1X22	6.1	1.00	22.0	0.5297	32.8
R 6.1X1X25	6.1	1.00	25.0	0.4389	38.0
R 6.1X1X25.4	6.1	1.00	25.4	0.4389	38.4
R 6.1X1X28.4	6.1	1.00	28.4	0.3746	43.6
R 6.1X1X29	6.1	1.00	29.0	0.3572	45.0
R 6.1X1X32	6.1	1.00	32.0	0.3135	50.2
R 6.1X1X34.8	6.1	1.00	34.8	0.2793	55.2
R 6.1X1X35	6.1	1.00	35.0	0.2793	55.4
R 6.1X1X38	6.1	1.00	38.0	0.2518	60.7
R 6.1X1X38.1	6.1	1.00	38.1	0.2518	60.8
R 6.1X1X44.4	6.1	1.00	44.4	0.2104	71.5
R 6.1X1X45	6.1	1.00	45.0	0.2048	72.9
R 6.1X1X50	6.1	1.00	50.0	0.1807	81.6

Referenz Nummer	Außendurchmesse r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 6.1X1X50.8	6.1	1.00	50.8	0.1766	83.1
R 6.1X1X57	6.1	1.00	57.0	0.1552	93.8
R 6.1X1X57.2	6.1	1.00	57.2	0.1552	94.0
R 6.1X1X64	6.1	1.00	64.0	0.1359	106.0
R 6.1X1X70	6.1	1.00	70.0	0.1229	116.5
R 6.1X1X76	6.1	1.00	76.0	0.1121	126.9
R 6.1X1X76.2	6.1	1.00	76.2	0.1121	127.1
R 6.1X1X88.9	6.1	1.00	88.9	0.0942	149.5
R 6.1X1X89	6.1	1.00	89.0	0.0942	149.6
R 6.1X1X101.6	6.1	1.00	101.6	0.0813	171.9
R 6.1X1X102	6.1	1.00	102.0	0.0813	172.3
R 6.1X1X114.3	6.1	1.00	114.3	0.0721	193.5
R 6.1X1X115	6.1	1.00	115.0	0.0714	194.9
R 6.1X1X127	6.1	1.00	127.0	0.0643	215.8
R 6.2X0.56X14.3	6.2	0.56	14.3	0.0532	36.9
R 6.2X0.6X15.7	6.2	0.60	15.7	0.0654	37.9
R 6.2X0.6X15.9	6.2	0.60	15.9	0.0601	40.0
R 6.2X0.75X15.9	6.2	0.75	15.9	0.1896	29.8
R 6.3X0.4X38	6.3	0.40	38.0	0.0018	311.1
R 6.3X0.4X64	6.3	0.40	64.0	0.0009	582.0
R 6.3X0.45X15.9	6.3	0.45	15.9	0.0135	64.7
R 6.3X0.45X25	6.3	0.45	25.0	0.0059	136.8
R 6.3X0.45X29	6.3	0.45	29.0	0.0047	169.2
R 6.3X0.45X35	6.3	0.45	35.0	0.0036	216.2
R 6.3X0.45X38	6.3	0.45	38.0	0.0032	241.2
R 6.3X0.45X45	6.3	0.45	45.0	0.0026	295.5
R 6.3X0.45X50	6.3	0.45	50.0	0.0023	335.1
R 6.3X0.45X57	6.3	0.45	57.0	0.0020	392.5
R 6.3X0.45X64	6.3	0.45	64.0	0.0017	450.0
R 6.3X0.5X18.2	6.3	0.50	18.2	0.0176	67.7
R 6.3X0.5X22	6.3	0.50	22.0	0.0123	93.0
R 6.3X0.5X24	6.3	0.50	24.0	0.0107	105.7
R 6.3X0.5X35	6.3	0.50	35.0	0.0062	175.6
R 6.3X0.5X38	6.3	0.50	38.0	0.0056	194.6
R 6.3X0.5X45	6.3	0.50	45.0	0.0045	239.1
R 6.3X0.5X48	6.3	0.50	48.0	0.0042	258.2
R 6.3X0.5X54	6.3	0.50	54.0	0.0036	296.3
R 6.3X0.5X64	6.3	0.50	64.0	0.0030	359.9
R 6.3X0.55X20	6.3	0.55	20.0	0.0239	67.2
R 6.3X0.55X25	6.3	0.55	25.0	0.0166	93.0
R 6.3X0.55X32	6.3	0.55	32.0	0.0115	129.9

Referenz Nummer	Außendurchmesse r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 6.3X0.55X40	6.3	0.55	40.0	0.0087	170.2
R 6.3X0.55X50	6.3	0.55	50.0	0.0066	221.7
R 6.3X0.55X55	6.3	0.55	55.0	0.0059	247.4
R 6.3X0.55X60	6.3	0.55	60.0	0.0053	273.2
R 6.3X0.55X63	6.3	0.55	63.0	0.0050	290.0
R 6.3X0.55X80	6.3	0.55	80.0	0.0038	378.5
R 6.3X0.55X360	6.3	0.55	360.0	0.0008	1831.7
R 6.3X0.56X48	6.3	0.56	48.0	0.0076	203.6
R 6.3X0.6X20	6.3	0.60	20.0	0.0385	57.1
R 6.3X0.6X25	6.3	0.60	25.0	0.0259	80.1
R 6.3X0.6X32	6.3	0.60	32.0	0.0185	109.2
R 6.3X0.6X38	6.3	0.60	38.0	0.0147	135.2
R 6.3X0.6X40	6.3	0.60	40.0	0.0136	145.2
R 6.3X0.6X46	6.3	0.60	46.0	0.0114	171.3
R 6.3X0.6X50	6.3	0.60	50.0	0.0104	187.3
R 6.3X0.6X62	6.3	0.60	62.0	0.0081	239.4
R 6.3X0.6X63	6.3	0.60	63.0	0.0079	244.4
R 6.3X0.6X80	6.3	0.60	80.0	0.0060	317.5
R 6.3X0.6X360	6.3	0.60	360.0	0.0012	1533.5
R 6.3X0.65X21	6.3	0.65	21.0	0.0517	55.3
R 6.3X0.65X22	6.3	0.65	22.0	0.0492	58.0
R 6.3X0.65X25	6.3	0.65	25.0	0.0395	69.8
R 6.3X0.65X40.8	6.3	0.65	40.8	0.0204	127.8
R 6.3X0.65X53.4	6.3	0.65	53.4	0.0147	173.8
R 6.3X0.65X67.2	6.3	0.65	67.2	0.0111	226.3
R 6.3X0.65X78.6	6.3	0.65	78.6	0.0094	267.6
R 6.3X0.7X20	6.3	0.70	20.0	0.0844	45.6
R 6.3X0.7X25	6.3	0.70	25.0	0.0593	61.5
R 6.3X0.7X32	6.3	0.70	32.0	0.0416	84.0
R 6.3X0.7X36	6.3	0.70	36.0	0.0353	97.3
R 6.3X0.7X40	6.3	0.70	40.0	0.0313	109.1
R 6.3X0.7X45	6.3	0.70	45.0	0.0265	126.5
R 6.3X0.7X50	6.3	0.70	50.0	0.0234	142.4
R 6.3X0.7X62	6.3	0.70	62.0	0.0182	180.8
R 6.3X0.7X63	6.3	0.70	63.0	0.0180	183.3
R 6.3X0.7X76	6.3	0.70	76.0	0.0144	225.8
R 6.3X0.7X80	6.3	0.70	80.0	0.0136	239.2
R 6.3X0.7X100	6.3	0.70	100.0	0.0107	302.6
R 6.3X0.7X152	6.3	0.70	152.0	0.0068	469.5
R 6.3X0.7X360	6.3	0.70	360.0	0.0028	1140.2
R 6.3X0.75X19.8	6.3	0.75	19.8	0.1216	41.2

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 6.3X0.75X20	6.3	0.75	20.0	0.1216	41.4
R 6.3X0.75X40	6.3	0.75	40.0	0.0444	98.6
R 6.3X0.75X45	6.3	0.75	45.0	0.0389	111.9
R 6.3X0.8X20	6.3	0.80	20.0	0.1730	37.9
R 6.3X0.8X25	6.3	0.80	25.0	0.1223	50.3
R 6.3X0.8X28	6.3	0.80	28.0	0.1024	58.2
R 6.3X0.8X32	6.3	0.80	32.0	0.0850	68.3
R 6.3X0.8X39	6.3	0.80	39.0	0.0651	86.4
R 6.3X0.8X40	6.3	0.80	40.0	0.0635	88.7
R 6.3X0.8X41	6.3	0.80	41.0	0.0619	90.9
R 6.3X0.8X42	6.3	0.80	42.0	0.0590	94.4
R 6.3X0.8X50	6.3	0.80	50.0	0.0478	114.7
R 6.3X0.8X63	6.3	0.80	63.0	0.0366	147.4
R 6.3X0.8X80	6.3	0.80	80.0	0.0280	190.3
R 6.3X0.8X83	6.3	0.80	83.0	0.0268	198.2
R 6.3X0.8X85	6.3	0.80	85.0	0.0263	202.7
R 6.3X0.8X152	6.3	0.80	152.0	0.0140	373.2
R 6.3X0.8X203	6.3	0.80	203.0	0.0103	503.0
R 6.3X0.8X360	6.3	0.80	360.0	0.0057	901.5
R 6.3X0.85X19	6.3	0.85	19.0	0.2628	32.8
R 6.3X0.85X54	6.3	0.85	54.0	0.0614	113.1
R 6.3X0.85X60	6.3	0.85	60.0	0.0543	126.9
R 6.3X0.85X124	6.3	0.85	124.0	0.0241	274.9
R 6.3X0.85X152	6.3	0.85	152.0	0.0194	339.3
R 6.3X0.85X267	6.3	0.85	267.0	0.0108	603.5
R 6.3X0.9X17.1	6.3	0.90	17.1	0.4043	27.5
R 6.3X0.9X20	6.3	0.90	20.0	0.3144	33.4
R 6.3X0.9X22.5	6.3	0.90	22.5	0.2573	38.9
R 6.3X0.9X25	6.3	0.90	25.0	0.2294	43.4
R 6.3X0.9X30.6	6.3	0.90	30.6	0.1665	56.0
R 6.3X0.9X32	6.3	0.90	32.0	0.1602	58.4
R 6.3X0.9X40	6.3	0.90	40.0	0.1196	75.3
R 6.3X0.9X41	6.3	0.90	41.0	0.1163	77.3
R 6.3X0.9X44.1	6.3	0.90	44.1	0.1048	84.4
R 6.3X0.9X48	6.3	0.90	48.0	0.0954	92.3
R 6.3X0.9X50	6.3	0.90	50.0	0.0913	96.3
R 6.3X0.9X62.1	6.3	0.90	62.1	0.0702	122.3
R 6.3X0.9X63	6.3	0.90	63.0	0.0690	124.2
R 6.3X0.9X80	6.3	0.90	80.0	0.0534	159.1
R 6.3X0.9X360	6.3	0.90	360.0	0.0108	749.5
R 6.3X1X19	6.3	1.00	19.0	0.5950	28.4

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 6.3X1X20	6.3	1.00	20.0	0.5474	30.2
R 6.3X1X25	6.3	1.00	25.0	0.3910	39.2
R 6.3X1X26	6.3	1.00	26.0	0.3699	41.1
R 6.3X1X32	6.3	1.00	32.0	0.2793	51.9
R 6.3X1X40	6.3	1.00	40.0	0.2106	66.5
R 6.3X1X41	6.3	1.00	41.0	0.2043	68.3
R 6.3X1X50	6.3	1.00	50.0	0.1610	84.6
R 6.3X1X60	6.3	1.00	60.0	0.1303	102.7
R 6.3X1X63	6.3	1.00	63.0	0.1233	108.2
R 6.3X1X80	6.3	1.00	80.0	0.0944	139.0
R 6.3X1X83	6.3	1.00	83.0	0.0906	144.5
R 6.3X1X203	6.3	1.00	203.0	0.0350	362.1
R 6.3X1X360	6.3	1.00	360.0	0.0194	646.9
R 6.4X0.4X16.7	6.4	0.40	16.7	0.0065	89.0
R 6.4X0.4X35	6.4	0.40	35.0	0.0019	287.2
R 6.4X0.4X48	6.4	0.40	48.0	0.0013	425.4
R 6.4X0.45X15.1	6.4	0.45	15.1	0.0147	59.3
R 6.4X0.45X15.7	6.4	0.45	15.7	0.0137	63.1
R 6.4X0.45X22	6.4	0.45	22.0	0.0070	115.2
R 6.4X0.45X22.1	6.4	0.45	22.1	0.0070	115.3
R 6.4X0.45X28.4	6.4	0.45	28.4	0.0047	167.4
R 6.4X0.45X34.8	6.4	0.45	34.8	0.0035	219.6
R 6.4X0.45X38	6.4	0.45	38.0	0.0031	245.7
R 6.4X0.45X41	6.4	0.45	41.0	0.0028	271.6
R 6.4X0.45X44.4	6.4	0.45	44.4	0.0025	301.2
R 6.4X0.45X48	6.4	0.45	48.0	0.0023	331.0
R 6.4X0.45X57.2	6.4	0.45	57.2	0.0019	405.6
R 6.4X0.45X63	6.4	0.45	63.0	0.0017	453.9
R 6.4X0.45X165	6.4	0.45	165.0	0.0006	1298.6
R 6.4X0.55X15.7	6.4	0.55	15.7	0.0373	45.6
R 6.4X0.55X18.2	6.4	0.55	18.2	0.0282	57.7
R 6.4X0.55X26	6.4	0.55	26.0	0.0153	99.0
R 6.4X0.56X15.1	6.4	0.56	15.1	0.0479	39.5
R 6.4X0.56X15.9	6.4	0.56	15.9	0.0402	45.0
R 6.4X0.56X17.4	6.4	0.56	17.4	0.0347	51.1
R 6.4X0.56X19.1	6.4	0.56	19.1	0.0272	62.2
R 6.4X0.56X25	6.4	0.56	25.0	0.0177	91.3
R 6.4X0.56X45	6.4	0.56	45.0	0.0078	195.1
R 6.4X0.56X50	6.4	0.56	50.0	0.0068	221.1
R 6.4X0.56X57	6.4	0.56	57.0	0.0059	256.0
R 6.4X0.65X15.9	6.4	0.65	15.9	0.0911	35.1

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 6.4X0.65X17.4	6.4	0.65	17.4	0.0709	42.1
R 6.4X0.65X24	6.4	0.65	24.0	0.0407	67.0
R 6.4X0.65X25	6.4	0.65	25.0	0.0390	69.8
R 6.4X0.65X26	6.4	0.65	26.0	0.0361	74.5
R 6.4X0.65X28	6.4	0.65	28.0	0.0324	81.9
R 6.4X0.65X48	6.4	0.65	48.0	0.0158	158.6
R 6.4X0.65X57	6.4	0.65	57.0	0.0128	193.2
R 6.4X0.65X83	6.4	0.65	83.0	0.0084	292.4
R 6.4X0.7X41	6.4	0.70	41.0	0.0284	116.1
R 6.4X0.7X55	6.4	0.70	55.0	0.0199	162.5
R 6.4X0.75X15.7	6.4	0.75	15.7	0.1881	29.3
R 6.4X0.75X15.9	6.4	0.75	15.9	0.1881	29.5
R 6.4X0.75X17.4	6.4	0.75	17.4	0.1554	33.9
R 6.4X0.75X19	6.4	0.75	19.0	0.1324	38.4
R 6.4X0.75X22	6.4	0.75	22.0	0.1021	47.1
R 6.4X0.75X25	6.4	0.75	25.0	0.0831	55.9
R 6.4X0.75X29	6.4	0.75	29.0	0.0650	68.5
R 6.4X0.75X32	6.4	0.75	32.0	0.0567	77.3
R 6.4X0.75X35	6.4	0.75	35.0	0.0503	86.0
R 6.4X0.75X38	6.4	0.75	38.0	0.0452	94.8
R 6.4X0.75X45	6.4	0.75	45.0	0.0368	114.7
R 6.4X0.75X50	6.4	0.75	50.0	0.0322	129.7
R 6.4X0.75X55	6.4	0.75	55.0	0.0291	143.4
R 6.4X0.75X57	6.4	0.75	57.0	0.0277	149.7
R 6.4X0.75X60	6.4	0.75	60.0	0.0261	158.4
R 6.4X0.75X64	6.4	0.75	64.0	0.0243	169.6
R 6.4X0.75X70	6.4	0.75	70.0	0.0219	187.1
R 6.4X0.75X76	6.4	0.75	76.0	0.0200	204.6
R 6.4X0.8X22	6.4	0.80	22.0	0.1440	43.2
R 6.4X0.8X32	6.4	0.80	32.0	0.0805	69.9
R 6.4X0.8X36.4	6.4	0.80	36.4	0.0689	80.7
R 6.4X0.8X49.2	6.4	0.80	49.2	0.0471	114.0
R 6.4X0.8X54	6.4	0.80	54.0	0.0421	126.5
R 6.4X0.8X57	6.4	0.80	57.0	0.0393	134.7
R 6.4X0.8X62	6.4	0.80	62.0	0.0357	147.4
R 6.4X0.8X64	6.4	0.80	64.0	0.0342	153.2
R 6.4X0.8X74.8	6.4	0.80	74.8	0.0288	180.7
R 6.4X0.85X15.7	6.4	0.85	15.7	0.3660	25.5
R 6.4X0.85X15.9	6.4	0.85	15.9	0.3660	25.7
R 6.4X0.9X48	6.4	0.90	48.0	0.0903	94.2
R 6.4X0.9X91	6.4	0.90	91.0	0.0439	186.0

Referenz Nummer	Außendurchmesse r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 6.4X0.9X305	6.4	0.90	305.0	0.0122	647.1
R 6.4X1X29	6.4	1.00	29.0	0.3156	46.4
R 6.4X1X36	6.4	1.00	36.0	0.2353	59.4
R 6.4X1X50	6.4	1.00	50.0	0.1559	85.3
R 6.4X1.1X48	6.4	1.10	48.0	0.2745	73.7
R 6.4X1.2X68	6.4	1.20	68.0	0.2975	97.6
R 6.4X1.2X70	6.4	1.20	70.0	0.2862	100.8
R 6.4X1.2X83	6.4	1.20	83.0	0.2404	119.7
R 6.4X1.4X180	6.4	1.40	180.0	0.2535	231.1
R 6.4X1.5X181	6.4	1.50	181.0	0.3763	221.7
R 6.5X0.5X17.3	6.5	0.50	17.3	0.0179	64.9
R 6.5X0.5X19.1	6.5	0.50	19.1	0.0151	75.4
R 6.5X0.5X21	6.5	0.50	21.0	0.0125	88.8
R 6.5X0.5X22.4	6.5	0.50	22.4	0.0111	98.9
R 6.5X0.5X23.7	6.5	0.50	23.7	0.0103	106.0
R 6.5X0.5X24.8	6.5	0.50	24.8	0.0094	115.7
R 6.5X0.5X25.4	6.5	0.50	25.4	0.0091	119.2
R 6.5X0.5X31.8	6.5	0.50	31.8	0.0065	163.2
R 6.5X0.5X38.1	6.5	0.50	38.1	0.0051	204.1
R 6.5X0.5X43.5	6.5	0.50	43.5	0.0043	241.3
R 6.5X0.5X43.8	6.5	0.50	43.8	0.0042	244.5
R 6.5X0.5X50.8	6.5	0.50	50.8	0.0035	291.9
R 6.5X0.5X57.2	6.5	0.50	57.2	0.0031	332.9
R 6.5X0.5X85	6.5	0.50	85.0	0.0019	522.4
R 6.5X0.5X102	6.5	0.50	102.0	0.0016	637.6
R 6.5X0.5X152	6.5	0.50	152.0	0.0010	976.3
R 6.5X0.5X290	6.5	0.50	290.0	0.0005	1911.3
R 6.5X0.5X305	6.5	0.50	305.0	0.0005	2012.9
R 6.5X0.56X22	6.5	0.56	22.0	0.0212	76.4
R 6.5X0.56X38	6.5	0.56	38.0	0.0093	162.5
R 6.5X0.65X25.4	6.5	0.65	25.4	0.0356	73.9
R 6.5X0.65X38	6.5	0.65	38.0	0.0204	122.6
R 6.6X0.5X15.9	6.6	0.50	15.9	0.0224	53.3
R 6.7X0.56X20	6.7	0.56	20.0	0.0234	68.1
R 6.7X0.56X41	6.7	0.56	41.0	0.0077	188.0
R 6.7X0.56X146	6.7	0.56	146.0	0.0018	779.7
R 6.7X0.65X15.9	6.7	0.65	15.9	0.0782	37.4
R 6.7X0.9X39	6.7	0.90	39.0	0.1023	78.3
R 6.7X0.9X80	6.7	0.90	80.0	0.0431	173.3
R 6.8X0.5X15.7	6.8	0.50	15.7	0.0221	52.7
R 6.8X0.5X22.2	6.8	0.50	22.2	0.0104	101.0

Referenz Nummer	Außendurchmesse r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 6.8X0.5X29.7	6.8	0.50	29.7	0.0064	156.8
R 6.8X0.5X36.8	6.8	0.50	36.8	0.0047	212.1
R 6.8X0.65X32	6.8	0.65	32.0	0.0227	105.4
R 6.8X0.9X15.9	6.8	0.90	15.9	0.4339	25.1
R 6.8X0.9X32	6.8	0.90	32.0	0.1276	63.1
R 6.8X0.9X36	6.8	0.90	36.0	0.1067	73.2
R 6.9X0.65X17.2	6.9	0.65	17.2	0.0648	42.6
R 6.9X0.65X20	6.9	0.65	20.0	0.0481	54.2
R 6.9X0.65X25.4	6.9	0.65	25.4	0.0304	79.4
R 6.9X0.65X34.9	6.9	0.65	34.9	0.0193	119.8
R 6.9X0.65X39.2	6.9	0.65	39.2	0.0164	139.5
R 6.9X0.65X43.6	6.9	0.65	43.6	0.0142	159.3
R 6.9X0.65X48.7	6.9	0.65	48.7	0.0123	182.1
R 6.9X0.65X53.7	6.9	0.65	53.7	0.0110	202.5
R 6.9X0.65X58.8	6.9	0.65	58.8	0.0099	225.2
R 6.9X0.65X80	6.9	0.65	80.0	0.0069	319.2
R 6.9X0.65X100	6.9	0.65	100.0	0.0053	407.5
R 7X0.4X12.7	7.0	0.40	12.7	0.0165	39.3
R 7X0.4X14.3	7.0	0.40	14.3	0.0095	60.2
R 7X0.4X15.9	7.0	0.40	15.9	0.0067	81.1
R 7X0.4X16.7	7.0	0.40	16.7	0.0059	91.6
R 7X0.4X19.1	7.0	0.40	19.1	0.0042	122.9
R 7X0.4X20.3	7.0	0.40	20.3	0.0037	138.6
R 7X0.4X22	7.0	0.40	22.0	0.0031	164.5
R 7X0.4X26.3	7.0	0.40	26.3	0.0023	217.1
R 7X0.4X34.3	7.0	0.40	34.3	0.0015	321.7
R 7X0.65X16.1	7.0	0.65	16.1	0.0748	37.8
R 7X0.65X19.9	7.0	0.65	19.9	0.0458	55.3
R 7X0.65X28.4	7.0	0.65	28.4	0.0249	93.5
R 7X0.65X31.8	7.0	0.65	31.8	0.0212	108.3
R 7X0.65X34.8	7.0	0.65	34.8	0.0184	122.7
R 7X0.65X38	7.0	0.65	38.0	0.0163	137.4
R 7X0.65X38.1	7.0	0.65	38.1	0.0163	137.5
R 7X0.65X44.4	7.0	0.65	44.4	0.0133	166.6
R 7X0.65X47.6	7.0	0.65	47.6	0.0121	181.2
R 7X0.65X48	7.0	0.65	48.0	0.0121	181.6
R 7X1X19	7.0	1.00	19.0	0.4492	30.4
R 7X1X25	7.0	1.00	25.0	0.2858	42.9
R 7X1X38	7.0	1.00	38.0	0.1599	70.1
R 7X1X290	7.0	1.00	290.0	0.0168	596.1
R 7X1.4X22.1	7.0	1.40	22.1	2.3458	27.3

Referenz Nummer	Außendurchmesse r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 7X1.4X30.5	7.0	1.40	30.5	1.4378	39.0
R 7X1.4X43.1	7.0	1.40	43.1	0.9096	56.5
R 7X1.4X64.1	7.0	1.40	64.1	0.5642	85.8
R 7X1.4X92.1	7.0	1.40	92.1	0.3745	124.7
R 7.1X0.4X38	7.1	0.40	38.0	0.0013	380.1
R 7.1X0.4X48	7.1	0.40	48.0	0.0009	514.9
R 7.1X0.45X64	7.1	0.45	64.0	0.0012	564.2
R 7.1X0.56X26	7.1	0.56	26.0	0.0126	111.3
R 7.1X0.56X38	7.1	0.56	38.0	0.0072	186.2
R 7.1X0.7X25	7.1	0.70	25.0	0.0434	70.1
R 7.1X0.7X57	7.1	0.70	57.0	0.0138	198.6
R 7.1X0.7X83	7.1	0.70	83.0	0.0089	302.1
R 7.1X0.75X15.9	7.1	0.75	15.9	0.1481	31.8
R 7.1X0.8X19.2	7.1	0.80	19.2	0.1335	40.2
R 7.1X0.8X29.6	7.1	0.80	29.6	0.0654	72.4
R 7.1X0.8X41.6	7.1	0.80	41.6	0.0412	109.6
R 7.1X0.8X47.2	7.1	0.80	47.2	0.0351	126.9
R 7.1X0.8X52.8	7.1	0.80	52.8	0.0306	144.2
R 7.1X0.8X59.2	7.1	0.80	59.2	0.0267	164.1
R 7.1X0.8X65.6	7.1	0.80	65.6	0.0237	183.9
R 7.1X0.8X72	7.1	0.80	72.0	0.0213	203.7
R 7.1X1X35	7.1	1.00	35.0	0.1760	63.8
R 7.1X1X60	7.1	1.00	60.0	0.0889	117.0
R 7.1X1.12X33	7.1	1.12	33.0	0.3487	52.6
R 7.1X1.5X17.9	7.1	1.50	17.9	4.5181	21.1
R 7.1X1.6X68	7.1	1.60	68.0	1.0701	83.7
R 7.2X0.65X15.7	7.2	0.65	15.7	0.0761	36.5
R 7.2X0.65X20	7.2	0.65	20.0	0.0418	57.9
R 7.2X0.65X64	7.2	0.65	64.0	0.0078	266.0
R 7.2X0.65X85	7.2	0.65	85.0	0.0056	367.7
R 7.2X0.75X57	7.2	0.75	57.0	0.0192	178.1
R 7.2X0.8X21	7.2	0.80	21.0	0.1098	46.2
R 7.2X0.8X36	7.2	0.80	36.0	0.0490	92.5
R 7.2X0.8X60	7.2	0.80	60.0	0.0255	168.7
R 7.2X0.85X29	7.2	0.85	29.0	0.0923	64.3
R 7.2X0.9X19.8	7.2	0.90	19.8	0.2324	36.1
R 7.2X0.9X40	7.2	0.90	40.0	0.0798	87.5
R 7.2X0.9X64	7.2	0.90	64.0	0.0442	149.8
R 7.2X0.9X80	7.2	0.90	80.0	0.0341	191.3
R 7.2X0.9X100	7.2	0.90	100.0	0.0266	242.5
R 7.2X0.9X150	7.2	0.90	150.0	0.0171	371.9

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 7.2X0.9X200	7.2	0.90	200.0	0.0126	499.9
R 7.2X1.1X229	7.2	1.10	229.0	0.0329	424.6
R 7.2X1.6X20	7.2	1.60	20.0	5.0690	23.3
R 7.3X1X21.4	7.3	1.00	21.4	0.3543	35.4
R 7.3X1X34.4	7.3	1.00	34.4	0.1663	64.2
R 7.3X1X40	7.3	1.00	40.0	0.1336	77.1
R 7.3X1X49.4	7.3	1.00	49.4	0.1031	97.5
R 7.3X1X56.5	7.3	1.00	56.5	0.0858	114.3
R 7.3X1X63.5	7.3	1.00	63.5	0.0748	129.8
R 7.3X1X71.5	7.3	1.00	71.5	0.0652	147.6
R 7.3X1X79.5	7.3	1.00	79.5	0.0578	165.3
R 7.3X1X87.5	7.3	1.00	87.5	0.0519	183.0
R 7.3X1X120	7.3	1.00	120.0	0.0369	254.5
R 7.3X1X200	7.3	1.00	200.0	0.0214	431.8
R 7.4X0.45X15.9	7.4	0.45	15.9	0.0108	69.0
R 7.4X0.45X22	7.4	0.45	22.0	0.0051	135.1
R 7.4X0.45X22.4	7.4	0.45	22.4	0.0049	140.1
R 7.4X0.45X25.4	7.4	0.45	25.4	0.0038	175.4
R 7.4X0.45X31.8	7.4	0.45	31.8	0.0027	246.4
R 7.4X0.45X38.1	7.4	0.45	38.1	0.0021	317.4
R 7.4X0.45X50.8	7.4	0.45	50.8	0.0014	459.3
R 7.4X0.8X15.7	7.4	0.80	15.7	0.1935	29.7
R 7.4X0.8X15.9	7.4	0.80	15.9	0.1935	29.9
R 7.4X0.9X15.7	7.4	0.90	15.7	0.3744	25.6
R 7.4X0.9X15.9	7.4	0.90	15.9	0.3744	25.8
R 7.4X1X15.9	7.4	1.00	15.9	0.5979	24.1
R 7.5X0.45X15.5	7.5	0.45	15.5	0.0126	60.8
R 7.5X0.45X18.2	7.5	0.45	18.2	0.0077	92.0
R 7.5X0.45X18.7	7.5	0.45	18.7	0.0068	102.1
R 7.5X0.45X22.3	7.5	0.45	22.3	0.0047	143.8
R 7.5X0.45X29	7.5	0.45	29.0	0.0030	217.2
R 7.5X0.45X38	7.5	0.45	38.0	0.0020	321.5
R 7.5X0.7X17.5	7.5	0.70	17.5	0.0741	42.7
R 7.5X0.7X21.7	7.5	0.70	21.7	0.0471	61.3
R 7.5X0.7X28	7.5	0.70	28.0	0.0305	89.3
R 7.5X0.7X38.5	7.5	0.70	38.5	0.0192	135.8
R 7.5X0.7X52.5	7.5	0.70	52.5	0.0129	197.8
R 7.5X0.75X45	7.5	0.75	45.0	0.0225	144.8
R 7.5X1X18.2	7.5	1.00	18.2	0.4364	29.3
R 7.5X1X52	7.5	1.00	52.0	0.0873	107.6
R 7.5X1X108	7.5	1.00	108.0	0.0377	236.8

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 7.5X1X110	7.5	1.00	110.0	0.0369	241.4
R 7.5X1.1X20.6	7.5	1.10	20.6	0.5419	32.1
R 7.5X1.1X27.2	7.5	1.10	27.2	0.3448	45.3
R 7.5X1.1X37.1	7.5	1.10	37.1	0.2231	65.1
R 7.5X1.1X53.6	7.5	1.10	53.6	0.1405	98.0
R 7.5X1.1X75.6	7.5	1.10	75.6	0.0940	141.9
R 7.5X1.25X24.3	7.5	1.25	24.3	0.8150	35.0
R 7.5X1.25X40.5	7.5	1.25	40.5	0.3995	62.3
R 7.5X1.25X55.3	7.5	1.25	55.3	0.2791	86.5
R 7.5X1.25X68.1	7.5	1.25	68.1	0.2145	108.7
R 7.5X1.25X76.8	7.5	1.25	76.8	0.1869	123.4
R 7.5X1.25X86.8	7.5	1.25	86.8	0.1630	140.2
R 7.5X1.25X96.8	7.5	1.25	96.8	0.1445	157.1
R 7.5X1.25X106	7.5	1.25	106.0	0.1315	172.3
R 7.5X1.5X20	7.5	1.50	20.0	3.1836	24.4
R 7.6X0.75X25	7.6	0.75	25.0	0.0514	68.3
R 7.6X0.75X29	7.6	0.75	29.0	0.0409	83.3
R 7.6X0.75X32	7.6	0.75	32.0	0.0352	95.2
R 7.6X0.75X35	7.6	0.75	35.0	0.0309	107.1
R 7.6X0.75X38	7.6	0.75	38.0	0.0275	119.0
R 7.6X0.75X45	7.6	0.75	45.0	0.0220	145.9
R 7.6X0.75X50	7.6	0.75	50.0	0.0191	166.5
R 7.6X0.75X57	7.6	0.75	57.0	0.0163	193.4
R 7.6X0.75X64	7.6	0.75	64.0	0.0140	222.6
R 7.6X0.8X25.4	7.6	0.80	25.4	0.0717	62.3
R 7.6X0.8X28.4	7.6	0.80	28.4	0.0590	73.3
R 7.6X0.8X31.8	7.6	0.80	31.8	0.0501	84.6
R 7.6X0.8X33	7.6	0.80	33.0	0.0466	89.8
R 7.6X0.8X34.8	7.6	0.80	34.8	0.0435	95.6
R 7.6X0.8X38.1	7.6	0.80	38.1	0.0385	106.9
R 7.6X0.8X44.4	7.6	0.80	44.4	0.0312	129.1
R 7.6X0.8X50.8	7.6	0.80	50.8	0.0263	151.5
R 7.6X0.8X57.2	7.6	0.80	57.2	0.0227	173.8
R 7.6X0.8X63.5	7.6	0.80	63.5	0.0200	196.1
R 7.6X0.8X69.8	7.6	0.80	69.8	0.0178	218.3
R 7.6X0.8X76.2	7.6	0.80	76.2	0.0161	240.7
R 7.6X0.9X19	7.6	0.90	19.0	0.2339	34.5
R 7.6X0.9X25	7.6	0.90	25.0	0.1347	51.9
R 7.6X0.9X25.4	7.6	0.90	25.4	0.1347	52.3
R 7.6X0.9X28.4	7.6	0.90	28.4	0.1084	61.8
R 7.6X0.9X29	7.6	0.90	29.0	0.1084	62.4

Referenz Nummer	Außendurchmesse r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 7.6X0.9X31.8	7.6	0.90	31.8	0.0907	71.8
R 7.6X0.9X32	7.6	0.90	32.0	0.0907	72.0
R 7.6X0.9X34.8	7.6	0.90	34.8	0.0808	79.7
R 7.6X0.9X35	7.6	0.90	35.0	0.0808	79.9
R 7.6X0.9X38	7.6	0.90	38.0	0.0729	87.8
R 7.6X0.9X38.1	7.6	0.90	38.1	0.0706	89.5
R 7.6X0.9X44.4	7.6	0.90	44.4	0.0577	107.2
R 7.6X0.9X45	7.6	0.90	45.0	0.0577	107.8
R 7.6X0.9X50	7.6	0.90	50.0	0.0499	122.6
R 7.6X0.9X50.8	7.6	0.90	50.8	0.0488	125.0
R 7.6X0.9X57	7.6	0.90	57.0	0.0423	142.7
R 7.6X0.9X57.2	7.6	0.90	57.2	0.0423	142.9
R 7.6X0.9X63.5	7.6	0.90	63.5	0.0374	160.6
R 7.6X0.9X64	7.6	0.90	64.0	0.0374	161.1
R 7.6X0.9X69.8	7.6	0.90	69.8	0.0334	178.3
R 7.6X0.9X70	7.6	0.90	70.0	0.0334	178.5
R 7.6X0.9X76	7.6	0.90	76.0	0.0302	195.9
R 7.6X0.9X76.2	7.6	0.90	76.2	0.0302	196.1
R 7.6X1X19.1	7.6	1.00	19.1	0.3730	32.0
R 7.6X1.2X69	7.6	1.20	69.0	0.1628	116.6
R 7.6X1.25X25.4	7.6	1.25	25.4	0.7771	36.5
R 7.6X1.25X28.4	7.6	1.25	28.4	0.6267	42.2
R 7.6X1.25X31.8	7.6	1.25	31.8	0.5551	47.3
R 7.6X1.25X34.8	7.6	1.25	34.8	0.4738	53.0
R 7.6X1.25X38.1	7.6	1.25	38.1	0.4317	58.1
R 7.6X1.25X44.4	7.6	1.25	44.4	0.3532	68.8
R 7.6X1.25X50.8	7.6	1.25	50.8	0.2900	80.5
R 7.6X1.25X57.2	7.6	1.25	57.2	0.2523	91.4
R 7.6X1.25X63.5	7.6	1.25	63.5	0.2233	102.1
R 7.6X1.25X69.8	7.6	1.25	69.8	0.2003	112.9
R 7.6X1.4X25	7.6	1.40	25.0	1.4279	33.1
R 7.6X1.4X25.4	7.6	1.40	25.4	1.4279	33.5
R 7.6X1.4X28.4	7.6	1.40	28.4	1.2164	37.9
R 7.6X1.4X29	7.6	1.40	29.0	1.1325	39.2
R 7.6X1.4X31.8	7.6	1.40	31.8	0.9952	43.4
R 7.6X1.4X32	7.6	1.40	32.0	0.9952	43.6
R 7.6X1.4X34.8	7.6	1.40	34.8	0.8876	47.8
R 7.6X1.4X35	7.6	1.40	35.0	0.8876	48.0
R 7.6X1.4X38	7.6	1.40	38.0	0.8010	52.4
R 7.6X1.4X38.1	7.6	1.40	38.1	0.8010	52.5
R 7.6X1.4X44.4	7.6	1.40	44.4	0.6440	62.3

Referenz Nummer	Außendurchmesse r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 7.6X1.4X45	7.6	1.40	45.0	0.6440	62.9
R 7.6X1.4X50	7.6	1.40	50.0	0.5567	70.7
R 7.6X1.4X50.8	7.6	1.40	50.8	0.5567	71.5
R 7.6X1.4X57	7.6	1.40	57.0	0.4760	81.3
R 7.6X1.4X57.2	7.6	1.40	57.2	0.4760	81.5
R 7.6X1.4X63.5	7.6	1.40	63.5	0.4265	90.6
R 7.6X1.4X64	7.6	1.40	64.0	0.4157	91.8
R 7.6X1.4X69.8	7.6	1.40	69.8	0.3775	100.4
R 7.6X1.4X70	7.6	1.40	70.0	0.3775	100.6
R 7.6X1.4X76	7.6	1.40	76.0	0.3457	109.4
R 7.6X1.4X76.2	7.6	1.40	76.2	0.3457	109.6
R 7.7X0.8X20	7.7	0.80	20.0	0.1105	43.7
R 7.7X0.8X29	7.7	0.80	29.0	0.0541	77.4
R 7.7X0.8X35	7.7	0.80	35.0	0.0416	97.8
R 7.7X0.8X38	7.7	0.80	38.0	0.0368	109.1
R 7.7X0.8X45	7.7	0.80	45.0	0.0292	134.6
R 7.7X0.8X57	7.7	0.80	57.0	0.0217	177.5
R 7.7X0.8X70	7.7	0.80	70.0	0.0171	223.5
R 7.7X0.8X76	7.7	0.80	76.0	0.0156	243.9
R 7.7X0.8X200	7.7	0.80	200.0	0.0054	687.2
R 7.7X1.1X29	7.7	1.10	29.0	0.2965	49.6
R 7.7X1.1X35	7.7	1.10	35.0	0.2306	61.5
R 7.7X1.1X38	7.7	1.10	38.0	0.2035	68.0
R 7.7X1.1X45	7.7	1.10	45.0	0.1647	82.1
R 7.7X1.1X57	7.7	1.10	57.0	0.1221	107.1
R 7.7X1.1X70	7.7	1.10	70.0	0.0952	134.2
R 7.7X1.1X76	7.7	1.10	76.0	0.0858	147.3
R 7.7X1.1X100	7.7	1.10	100.0	0.0637	196.0
R 7.7X1.1X200	7.7	1.10	200.0	0.0301	403.2
R 7.7X1.25X29	7.7	1.25	29.0	0.5980	43.3
R 7.7X1.25X35	7.7	1.25	35.0	0.4521	53.9
R 7.7X1.25X38	7.7	1.25	38.0	0.4120	58.7
R 7.7X1.25X45	7.7	1.25	45.0	0.3252	71.3
R 7.7X1.25X57	7.7	1.25	57.0	0.2472	91.5
R 7.7X1.25X70	7.7	1.25	70.0	0.1911	114.7
R 7.7X1.25X76	7.7	1.25	76.0	0.1733	125.3
R 7.7X1.25X100	7.7	1.25	100.0	0.1278	166.8
R 7.7X1.25X220	7.7	1.25	220.0	0.0550	375.2
R 7.8X0.8X22.5	7.8	0.80	22.5	0.0839	53.4
R 7.8X0.9X19.1	7.8	0.90	19.1	0.2142	35.7
R 7.8X1.12X19.1	7.8	1.12	19.1	0.6327	29.1

Referenz Nummer	Außendurchmesse r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 7.9X0.5X38	7.9	0.50	38.0	0.0030	279.3
R 7.9X0.5X48	7.9	0.50	48.0	0.0022	381.3
R 7.9X0.56X38	7.9	0.56	38.0	0.0053	221.8
R 7.9X0.56X64	7.9	0.56	64.0	0.0027	425.8
R 7.9X0.65X25	7.9	0.65	25.0	0.0222	91.0
R 7.9X0.65X38	7.9	0.65	38.0	0.0115	165.4
R 7.9X0.65X48	7.9	0.65	48.0	0.0084	221.4
R 7.9X0.65X60	7.9	0.65	60.0	0.0063	291.8
R 7.9X0.7X25	7.9	0.70	25.0	0.0336	78.2
R 7.9X0.7X43	7.9	0.70	43.0	0.0144	167.2
R 7.9X0.7X46	7.9	0.70	46.0	0.0132	181.1
R 7.9X0.7X50	7.9	0.70	50.0	0.0118	201.5
R 7.9X0.7X62	7.9	0.70	62.0	0.0090	259.9
R 7.9X0.7X76	7.9	0.70	76.0	0.0071	328.5
R 7.9X0.75X29	7.9	0.75	29.0	0.0360	88.8
R 7.9X0.75X32	7.9	0.75	32.0	0.0309	101.6
R 7.9X0.75X35	7.9	0.75	35.0	0.0271	114.4
R 7.9X0.75X38	7.9	0.75	38.0	0.0242	127.1
R 7.9X0.75X45	7.9	0.75	45.0	0.0194	156.1
R 7.9X0.75X50	7.9	0.75	50.0	0.0168	178.2
R 7.9X0.75X57	7.9	0.75	57.0	0.0143	207.2
R 7.9X0.75X64	7.9	0.75	64.0	0.0125	236.2
R 7.9X0.75X76	7.9	0.75	76.0	0.0102	287.2
R 7.9X0.8X54	7.9	0.80	54.0	0.0218	171.5
R 7.9X0.8X67	7.9	0.80	67.0	0.0165	221.9
R 7.9X0.8X127	7.9	0.80	127.0	0.0080	446.6
R 7.9X0.9X24	7.9	0.90	24.0	0.1344	50.1
R 7.9X0.9X40	7.9	0.90	40.0	0.0600	98.6
R 7.9X0.9X55	7.9	0.90	55.0	0.0394	144.2
R 7.9X1X35	7.9	1.00	35.0	0.1266	71.7
R 7.9X1X45	7.9	1.00	45.0	0.0899	96.7
R 7.9X1X57	7.9	1.00	57.0	0.0667	126.7
R 7.9X1X64	7.9	1.00	64.0	0.0580	144.2
R 7.9X1X70	7.9	1.00	70.0	0.0521	159.2
R 7.9X1X83	7.9	1.00	83.0	0.0428	191.7
R 7.9X1X100	7.9	1.00	100.0	0.0347	234.2
R 7.9X1X175	7.9	1.00	175.0	0.0189	421.7
R 7.9X1.12X64	7.9	1.12	64.0	0.1061	123.2
R 7.9X1.2X37	7.9	1.20	37.0	0.3122	61.1
R 7.9X1.2X38	7.9	1.20	38.0	0.2989	63.2
R 7.9X1.2X92	7.9	1.20	92.0	0.1025	165.4

Referenz Nummer	Außendurchmesse r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 7.9X1.4X25	7.9	1.40	25.0	1.2392	34.1
R 7.9X1.4X29	7.9	1.40	29.0	1.0556	39.6
R 7.9X1.4X35	7.9	1.40	35.0	0.7703	49.6
R 8X0.5X16.7	8.0	0.50	16.7	0.0144	66.4
R 8X0.5X22.2	8.0	0.50	22.2	0.0070	124.0
R 8X0.5X33.2	8.0	0.50	33.2	0.0035	239.2
R 8X0.5X44.2	8.0	0.50	44.2	0.0023	354.4
R 8X0.5X55.2	8.0	0.50	55.2	0.0017	469.6
R 8X0.6X19.1	8.0	0.60	19.1	0.0261	63.9
R 8X0.6X20	8.0	0.60	20.0	0.0225	72.0
R 8X0.6X22	8.0	0.60	22.0	0.0186	84.7
R 8X0.6X22.4	8.0	0.60	22.4	0.0176	88.7
R 8X0.6X25	8.0	0.60	25.0	0.0145	105.7
R 8X0.6X25.4	8.0	0.60	25.4	0.0139	109.7
R 8X0.6X28.4	8.0	0.60	28.4	0.0114	130.6
R 8X0.6X31.8	8.0	0.60	31.8	0.0097	151.9
R 8X0.6X32	8.0	0.60	32.0	0.0094	155.7
R 8X0.6X34.8	8.0	0.60	34.8	0.0085	172.8
R 8X0.6X38	8.0	0.60	38.0	0.0073	197.5
R 8X0.6X38.1	8.0	0.60	38.1	0.0073	197.6
R 8X0.6X40	8.0	0.60	40.0	0.0069	210.3
R 8X0.6X44.4	8.0	0.60	44.4	0.0060	239.8
R 8X0.6X50	8.0	0.60	50.0	0.0051	281.3
R 8X0.6X50.8	8.0	0.60	50.8	0.0050	285.6
R 8X0.6X57.2	8.0	0.60	57.2	0.0043	331.5
R 8X0.6X63	8.0	0.60	63.0	0.0038	369.5
R 8X0.6X63.5	8.0	0.60	63.5	0.0038	373.6
R 8X0.6X80	8.0	0.60	80.0	0.0028	490.5
R 8X0.6X100	8.0	0.60	100.0	0.0022	628.8
R 8X0.6X360	8.0	0.60	360.0	0.0006	2441.5
R 8X0.65X25	8.0	0.65	25.0	0.0223	89.9
R 8X0.65X25.4	8.0	0.65	25.4	0.0213	93.4
R 8X0.65X32	8.0	0.65	32.0	0.0145	131.7
R 8X0.65X37	8.0	0.65	37.0	0.0116	162.0
R 8X0.65X38	8.0	0.65	38.0	0.0113	166.2
R 8X0.65X47	8.0	0.65	47.0	0.0084	219.5
R 8X0.65X64	8.0	0.65	64.0	0.0057	318.8
R 8X0.7X18.3	8.0	0.70	18.3	0.0599	47.9
R 8X0.7X19.8	8.0	0.70	19.8	0.0503	55.0
R 8X0.7X20	8.0	0.70	20.0	0.0503	55.2
R 8X0.7X22.5	8.0	0.70	22.5	0.0381	68.9

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 8X0.7X24	8.0	0.70	24.0	0.0340	76.1
R 8X0.7X25	8.0	0.70	25.0	0.0322	79.9
R 8X0.7X28.8	8.0	0.70	28.8	0.0247	100.6
R 8X0.7X31	8.0	0.70	31.0	0.0221	111.2
R 8X0.7X32	8.0	0.70	32.0	0.0213	115.0
R 8X0.7X35	8.0	0.70	35.0	0.0188	129.3
R 8X0.7X36	8.0	0.70	36.0	0.0177	135.9
R 8X0.7X39.3	8.0	0.70	39.3	0.0155	153.3
R 8X0.7X40	8.0	0.70	40.0	0.0152	156.8
R 8X0.7X41	8.0	0.70	41.0	0.0148	160.6
R 8X0.7X48.5	8.0	0.70	48.5	0.0118	199.1
R 8X0.7X50	8.0	0.70	50.0	0.0113	206.2
R 8X0.7X53.3	8.0	0.70	53.3	0.0104	223.6
R 8X0.7X55	8.0	0.70	55.0	0.0101	230.9
R 8X0.7X63	8.0	0.70	63.0	0.0086	269.9
R 8X0.7X80	8.0	0.70	80.0	0.0064	357.2
R 8X0.7X100	8.0	0.70	100.0	0.0050	456.0
R 8X0.7X103	8.0	0.70	103.0	0.0048	473.1
R 8X0.7X150	8.0	0.70	150.0	0.0032	708.7
R 8X0.7X152	8.0	0.70	152.0	0.0031	719.1
R 8X0.7X203	8.0	0.70	203.0	0.0023	972.8
R 8X0.7X360	8.0	0.70	360.0	0.0013	1763.0
R 8X0.75X22	8.0	0.75	22.0	0.0583	58.5
R 8X0.75X22.4	8.0	0.75	22.4	0.0546	61.4
R 8X0.75X25.4	8.0	0.75	25.4	0.0434	74.5
R 8X0.75X28.4	8.0	0.75	28.4	0.0360	87.6
R 8X0.75X29	8.0	0.75	29.0	0.0360	88.2
R 8X0.75X31.8	8.0	0.75	31.8	0.0308	101.1
R 8X0.75X34.8	8.0	0.75	34.8	0.0269	114.1
R 8X0.75X38.1	8.0	0.75	38.1	0.0238	127.5
R 8X0.75X44.4	8.0	0.75	44.4	0.0190	156.5
R 8X0.75X48	8.0	0.75	48.0	0.0171	172.7
R 8X0.75X50.8	8.0	0.75	50.8	0.0161	183.0
R 8X0.75X57.2	8.0	0.75	57.2	0.0138	212.1
R 8X0.75X63.5	8.0	0.75	63.5	0.0122	238.6
R 8X0.75X69.8	8.0	0.75	69.8	0.0108	267.5
R 8X0.75X70	8.0	0.75	70.0	0.0108	267.7
R 8X0.75X76.2	8.0	0.75	76.2	0.0098	294.1
R 8X0.75X88.9	8.0	0.75	88.9	0.0082	349.6
R 8X0.75X89	8.0	0.75	89.0	0.0082	349.7
R 8X0.75X101.6	8.0	0.75	101.6	0.0070	405.1

Referenz Nummer	Außendurchmesse r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 8X0.75X102	8.0	0.75	102.0	0.0070	408.1
R 8X0.75X114.3	8.0	0.75	114.3	0.0062	460.7
R 8X0.75X115	8.0	0.75	115.0	0.0061	463.9
R 8X0.75X152	8.0	0.75	152.0	0.0045	624.3
R 8X0.8X20	8.0	0.80	20.0	0.0972	46.1
R 8X0.8X22	8.0	0.80	22.0	0.0828	52.6
R 8X0.8X24	8.0	0.80	24.0	0.0678	61.4
R 8X0.8X25	8.0	0.80	25.0	0.0639	64.7
R 8X0.8X26.5	8.0	0.80	26.5	0.0573	70.7
R 8X0.8X32	8.0	0.80	32.0	0.0422	92.1
R 8X0.8X40	8.0	0.80	40.0	0.0306	122.7
R 8X0.8X50	8.0	0.80	50.0	0.0231	159.9
R 8X0.8X60	8.0	0.80	60.0	0.0182	199.4
R 8X0.8X63	8.0	0.80	63.0	0.0173	209.2
R 8X0.8X70	8.0	0.80	70.0	0.0152	236.6
R 8X0.8X80	8.0	0.80	80.0	0.0129	276.1
R 8X0.8X100	8.0	0.80	100.0	0.0100	352.8
R 8X0.8X115	8.0	0.80	115.0	0.0086	408.6
R 8X0.8X203	8.0	0.80	203.0	0.0047	745.9
R 8X0.8X360	8.0	0.80	360.0	0.0026	1349.5
R 8X0.85X31.8	8.0	0.85	31.8	0.0594	82.0
R 8X0.85X34.8	8.0	0.85	34.8	0.0510	93.2
R 8X0.85X38	8.0	0.85	38.0	0.0462	102.6
R 8X0.85X38.1	8.0	0.85	38.1	0.0462	102.7
R 8X0.85X44.4	8.0	0.85	44.4	0.0368	125.4
R 8X0.85X50.8	8.0	0.85	50.8	0.0313	146.1
R 8X0.85X57.2	8.0	0.85	57.2	0.0267	168.9
R 8X0.9X20	8.0	0.90	20.0	0.1779	39.5
R 8X0.9X25	8.0	0.90	25.0	0.1205	53.8
R 8X0.9X31.8	8.0	0.90	31.8	0.0795	75.5
R 8X0.9X32	8.0	0.90	32.0	0.0795	75.7
R 8X0.9X34.8	8.0	0.90	34.8	0.0705	84.1
R 8X0.9X38	8.0	0.90	38.0	0.0612	94.8
R 8X0.9X40	8.0	0.90	40.0	0.0575	100.5
R 8X0.9X41	8.0	0.90	41.0	0.0557	103.3
R 8X0.9X43	8.0	0.90	43.0	0.0526	109.1
R 8X0.9X45	8.0	0.90	45.0	0.0498	114.8
R 8X0.9X50	8.0	0.90	50.0	0.0429	130.9
R 8X0.9X50.8	8.0	0.90	50.8	0.0420	133.6
R 8X0.9X57.2	8.0	0.90	57.2	0.0363	153.0
R 8X0.9X62	8.0	0.90	62.0	0.0331	167.1

Referenz Nummer	Außendurchmesse r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 8X0.9X63	8.0	0.90	63.0	0.0325	170.0
R 8X0.9X63.5	8.0	0.90	63.5	0.0319	172.4
R 8X0.9X69.8	8.0	0.90	69.8	0.0285	191.7
R 8X0.9X70	8.0	0.90	70.0	0.0285	191.9
R 8X0.9X76	8.0	0.90	76.0	0.0258	210.9
R 8X0.9X76.2	8.0	0.90	76.2	0.0258	211.1
R 8X0.9X80	8.0	0.90	80.0	0.0244	222.3
R 8X0.9X85	8.0	0.90	85.0	0.0226	238.5
R 8X0.9X88.9	8.0	0.90	88.9	0.0216	249.9
R 8X0.9X89	8.0	0.90	89.0	0.0216	250.0
R 8X0.9X100	8.0	0.90	100.0	0.0188	285.1
R 8X0.9X101.6	8.0	0.90	101.6	0.0186	288.6
R 8X0.9X102	8.0	0.90	102.0	0.0184	290.9
R 8X0.9X113	8.0	0.90	113.0	0.0165	324.2
R 8X0.9X114.3	8.0	0.90	114.3	0.0163	327.4
R 8X0.9X115	8.0	0.90	115.0	0.0162	329.9
R 8X0.9X127	8.0	0.90	127.0	0.0144	368.0
R 8X0.9X360	8.0	0.90	360.0	0.0048	1081.1
R 8X1X20	8.0	1.00	20.0	0.3126	34.7
R 8X1X22	8.0	1.00	22.0	0.2583	39.8
R 8X1X25	8.0	1.00	25.0	0.2048	47.5
R 8X1X30	8.0	1.00	30.0	0.1523	60.2
R 8X1X32	8.0	1.00	32.0	0.1381	65.3
R 8X1X38	8.0	1.00	38.0	0.1080	80.6
R 8X1X40	8.0	1.00	40.0	0.1007	85.7
R 8X1X42	8.0	1.00	42.0	0.0943	90.8
R 8X1X48	8.0	1.00	48.0	0.0792	106.1
R 8X1X50	8.0	1.00	50.0	0.0752	111.2
R 8X1X60	8.0	1.00	60.0	0.0600	136.7
R 8X1X63	8.0	1.00	63.0	0.0566	144.4
R 8X1X76	8.0	1.00	76.0	0.0453	177.5
R 8X1X80	8.0	1.00	80.0	0.0427	187.7
R 8X1X100	8.0	1.00	100.0	0.0332	238.7
R 8X1X115	8.0	1.00	115.0	0.0284	276.9
R 8X1X360	8.0	1.00	360.0	0.0085	901.6
R 8X1.1X20	8.0	1.10	20.0	0.5342	31.1
R 8X1.1X24	8.0	1.10	24.0	0.3632	40.3
R 8X1.1X25	8.0	1.10	25.0	0.3363	42.6
R 8X1.1X29	8.0	1.10	29.0	0.2752	50.5
R 8X1.1X31	8.0	1.10	31.0	0.2454	55.1
R 8X1.1X31.8	8.0	1.10	31.8	0.2328	57.3

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 8X1.1X32	8.0	1.10	32.0	0.2328	57.5
R 8X1.1X34.8	8.0	1.10	34.8	0.2018	64.2
R 8X1.1X35	8.0	1.10	35.0	0.2018	64.4
R 8X1.1X38	8.0	1.10	38.0	0.1781	71.3
R 8X1.1X38.1	8.0	1.10	38.1	0.1781	71.4
R 8X1.1X40	8.0	1.10	40.0	0.1713	74.6
R 8X1.1X44.4	8.0	1.10	44.4	0.1489	84.2
R 8X1.1X45	8.0	1.10	45.0	0.1441	86.1
R 8X1.1X50	8.0	1.10	50.0	0.1244	97.6
R 8X1.1X50.8	8.0	1.10	50.8	0.1244	98.4
R 8X1.1X57	8.0	1.10	57.0	0.1068	112.5
R 8X1.1X57.2	8.0	1.10	57.2	0.1068	112.7
R 8X1.1X63	8.0	1.10	63.0	0.0956	125.0
R 8X1.1X63.5	8.0	1.10	63.5	0.0936	126.8
R 8X1.1X64	8.0	1.10	64.0	0.0936	127.3
R 8X1.1X65	8.0	1.10	65.0	0.0917	129.6
R 8X1.1X69.8	8.0	1.10	69.8	0.0833	140.9
R 8X1.1X70	8.0	1.10	70.0	0.0833	141.1
R 8X1.1X76	8.0	1.10	76.0	0.0763	153.7
R 8X1.1X76.2	8.0	1.10	76.2	0.0763	153.9
R 8X1.1X80	8.0	1.10	80.0	0.0715	162.9
R 8X1.1X88.9	8.0	1.10	88.9	0.0635	182.2
R 8X1.1X100	8.0	1.10	100.0	0.0557	206.4
R 8X1.1X101.6	8.0	1.10	101.6	0.0550	209.3
R 8X1.1X114.3	8.0	1.10	114.3	0.0480	237.6
R 8X1.1X203	8.0	1.10	203.0	0.0259	432.1
R 8X1.1X360	8.0	1.10	360.0	0.0143	774.4
R 8X1.12X38	8.0	1.12	38.0	0.2009	68.9
R 8X1.12X41	8.0	1.12	41.0	0.1790	75.7
R 8X1.12X42	8.0	1.12	42.0	0.1727	78.0
R 8X1.12X54	8.0	1.12	54.0	0.1279	102.6
R 8X1.12X70	8.0	1.12	70.0	0.0920	137.5
R 8X1.12X76	8.0	1.12	76.0	0.0841	149.9
R 8X1.12X89	8.0	1.12	89.0	0.0698	178.0
R 8X1.12X102	8.0	1.12	102.0	0.0604	204.9
R 8X1.12X115	8.0	1.12	115.0	0.0526	233.1
R 8X1.2X22	8.0	1.20	22.0	0.7072	32.5
R 8X1.2X35	8.0	1.20	35.0	0.3277	57.7
R 8X1.2X52	8.0	1.20	52.0	0.1947	90.3
R 8X1.2X89	8.0	1.20	89.0	0.1026	161.7
R 8X1.2X172	8.0	1.20	172.0	0.0500	321.2

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 8X1.2X178	8.0	1.20	178.0	0.0482	332.7
R 8X1.2X203	8.0	1.20	203.0	0.0419	381.0
R 8X1.2X410	8.0	1.20	410.0	0.0201	779.9
R 8X1.25X17.3	8.0	1.25	17.3	1.4704	22.9
R 8X1.25X20	8.0	1.25	20.0	1.0783	27.7
R 8X1.25X25	8.0	1.25	25.0	0.7032	36.8
R 8X1.25X29	8.0	1.25	29.0	0.5218	44.9
R 8X1.25X32	8.0	1.25	32.0	0.4621	49.9
R 8X1.25X35	8.0	1.25	35.0	0.4147	55.0
R 8X1.25X40	8.0	1.25	40.0	0.3441	64.1
R 8X1.25X45	8.0	1.25	45.0	0.2941	73.2
R 8X1.25X50	8.0	1.25	50.0	0.2567	82.3
R 8X1.25X57	8.0	1.25	57.0	0.2157	95.4
R 8X1.25X63	8.0	1.25	63.0	0.1903	106.6
R 8X1.25X64	8.0	1.25	64.0	0.1859	108.6
R 8X1.25X70	8.0	1.25	70.0	0.1703	118.7
R 8X1.25X76	8.0	1.25	76.0	0.1540	129.8
R 8X1.25X80	8.0	1.25	80.0	0.1457	136.9
R 8X1.25X89	8.0	1.25	89.0	0.1274	154.1
R 8X1.25X100	8.0	1.25	100.0	0.1131	173.3
R 8X1.25X360	8.0	1.25	360.0	0.0289	646.6
R 8X1.4X38	8.0	1.40	38.0	0.6640	54.7
R 8X1.4X63	8.0	1.40	63.0	0.3536	94.5
R 8X1.4X89	8.0	1.40	89.0	0.2409	135.2
R 8X1.4X102	8.0	1.40	102.0	0.2078	155.5
R 8X1.5X30.5	8.0	1.50	30.5	1.2952	40.7
R 8X1.5X51.5	8.0	1.50	51.5	0.6589	71.6
R 8X1.5X60.5	8.0	1.50	60.5	0.5443	84.9
R 8X1.5X71	8.0	1.50	71.0	0.4525	100.3
R 8X1.5X80	8.0	1.50	80.0	0.3954	113.6
R 8X1.5X90.5	8.0	1.50	90.5	0.3446	129.0
R 8X1.5X102	8.0	1.50	102.0	0.3054	145.4
R 8X1.5X114	8.0	1.50	114.0	0.2702	163.1
R 8X1.6X23.6	8.0	1.60	23.6	2.9963	28.8
R 8X1.6X25.3	8.0	1.60	25.3	2.4256	31.7
R 8X1.6X33.2	8.0	1.60	33.2	1.7565	42.1
R 8X1.6X34.9	8.0	1.60	34.9	1.5436	45.0
R 8X1.6X46	8.0	1.60	46.0	1.1319	59.8
R 8X1.6X49.3	8.0	1.60	49.3	0.9988	64.9
R 8.3X0.7X56	8.3	0.70	56.0	0.0088	251.5
R 8.3X0.85X20	8.3	0.85	20.0	0.1225	43.6

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 8.3X0.85X43	8.3	0.85	43.0	0.0343	127.3
R 8.3X0.85X70	8.3	0.85	70.0	0.0188	224.0
R 8.3X0.85X165	8.3	0.85	165.0	0.0071	570.8
R 8.3X1X27	8.3	1.00	27.0	0.1690	53.4
R 8.3X1X60	8.3	1.00	60.0	0.0540	142.7
R 8.3X1X127	8.3	1.00	127.0	0.0227	324.0
R 8.3X1.3X35	8.3	1.30	35.0	0.4585	54.5
R 8.3X1.3X45	8.3	1.30	45.0	0.3201	72.9
R 8.3X1.3X50	8.3	1.30	50.0	0.2781	82.1
R 8.3X1.3X100	8.3	1.30	100.0	0.1238	172.1
R 8.3X1.4X30	8.3	1.40	30.0	0.8216	43.2
R 8.4X0.9X25	8.4	0.90	25.0	0.1022	57.6
R 8.4X0.9X40	8.4	0.90	40.0	0.0503	106.3
R 8.4X0.9X67	8.4	0.90	67.0	0.0258	196.5
R 8.4X1X25	8.4	1.00	25.0	0.1862	48.7
R 8.4X1.1X40	8.4	1.10	40.0	0.1447	79.4
R 8.4X1.1X98	8.4	1.10	98.0	0.0482	216.1
R 8.4X1.1X150	8.4	1.10	150.0	0.0303	338.0
R 8.4X1.1X203	8.4	1.10	203.0	0.0220	462.3
R 8.4X1.4X50	8.4	1.40	50.0	0.4004	76.8
R 8.5X0.9X48.5	8.5	0.90	48.5	0.0376	136.4
R 8.5X0.9X61.1	8.5	0.90	61.1	0.0279	179.3
R 8.5X0.9X73.7	8.5	0.90	73.7	0.0222	222.3
R 8.5X0.9X98.9	8.5	0.90	98.9	0.0158	308.3
R 8.5X1.2X23	8.5	1.20	23.0	0.5172	36.7
R 8.5X1.2X30.2	8.5	1.20	30.2	0.3291	51.8
R 8.5X1.2X41	8.5	1.20	41.0	0.2130	74.4
R 8.5X1.2X59	8.5	1.20	59.0	0.1341	112.0
R 8.5X1.2X290	8.5	1.20	290.0	0.0234	594.1
R 8.6X0.65X19.9	8.6	0.65	19.9	0.0315	63.2
R 8.6X0.65X28.1	8.6	0.65	28.1	0.0148	120.4
R 8.6X0.65X37.6	8.6	0.65	37.6	0.0094	182.7
R 8.6X0.65X46.4	8.6	0.65	46.4	0.0069	244.2
R 8.6X0.65X60	8.6	0.65	60.0	0.0049	336.9
R 8.6X0.65X100	8.6	0.65	100.0	0.0027	606.8
R 8.7X0.7X20	8.7	0.70	20.0	0.0455	56.2
R 8.7X0.7X38	8.7	0.70	38.0	0.0131	164.0
R 8.7X0.7X48	8.7	0.70	48.0	0.0095	222.3
R 8.7X0.7X64	8.7	0.70	64.0	0.0065	317.7
R 8.7X0.75X25	8.7	0.75	25.0	0.0389	76.1
R 8.7X0.9X38	8.7	0.90	38.0	0.0494	103.6

Referenz Nummer	Außendurchmesse r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 8.7X1.2X36	8.7	1.20	36.0	0.2443	64.5
R 8.7X1.3X41	8.7	1.30	41.0	0.3055	69.2
R 8.8X0.65X48	8.8	0.65	48.0	0.0062	265.0
R 8.8X0.65X64	8.8	0.65	64.0	0.0042	380.5
R 8.8X0.8X21.9	8.8	0.80	21.9	0.0709	54.9
R 8.8X0.8X32.3	8.8	0.80	32.3	0.0333	102.6
R 8.8X0.8X44.3	8.8	0.80	44.3	0.0206	157.7
R 8.8X0.8X49.9	8.8	0.80	49.9	0.0175	183.4
R 8.8X0.8X55.5	8.8	0.80	55.5	0.0152	209.0
R 8.8X0.8X61.9	8.8	0.80	61.9	0.0133	238.4
R 8.8X0.8X68.3	8.8	0.80	68.3	0.0117	267.8
R 8.8X0.8X74.7	8.8	0.80	74.7	0.0105	297.1
R 8.8X1.1X22	8.8	1.10	22.0	0.3439	37.9
R 8.8X1.2X25	8.8	1.20	25.0	0.4185	41.5
R 8.8X1.4X143	8.8	1.40	143.0	0.1022	244.3
R 9X0.65X19.1	9.0	0.65	19.1	0.0329	59.0
R 9X0.65X19.8	9.0	0.65	19.8	0.0297	63.9
R 9X0.65X22	9.0	0.65	22.0	0.0231	78.7
R 9X0.65X22.4	9.0	0.65	22.4	0.0215	83.3
R 9X0.65X36	9.0	0.65	36.0	0.0088	185.2
R 9X0.65X41.6	9.0	0.65	41.6	0.0070	228.6
R 9X0.65X43	9.0	0.65	43.0	0.0067	238.4
R 9X0.65X43.8	9.0	0.65	43.8	0.0066	243.4
R 9X0.65X45.1	9.0	0.65	45.1	0.0063	253.1
R 9X0.65X50.8	9.0	0.65	50.8	0.0053	296.6
R 9X0.65X57.2	9.0	0.65	57.2	0.0046	345.0
R 9X0.65X58.8	9.0	0.65	58.8	0.0044	355.0
R 9X0.65X63.5	9.0	0.65	63.5	0.0040	389.1
R 9X0.65X69.8	9.0	0.65	69.8	0.0036	437.4
R 9X0.65X70	9.0	0.65	70.0	0.0036	437.6
R 9X0.65X76	9.0	0.65	76.0	0.0032	481.4
R 9X0.65X76.2	9.0	0.65	76.2	0.0032	485.8
R 9X0.65X83	9.0	0.65	83.0	0.0029	534.7
R 9X0.65X88.9	9.0	0.65	88.9	0.0027	578.4
R 9X0.65X89	9.0	0.65	89.0	0.0027	578.5
R 9X0.65X98	9.0	0.65	98.0	0.0024	646.3
R 9X0.65X101.6	9.0	0.65	101.6	0.0023	675.1
R 9X0.65X102	9.0	0.65	102.0	0.0023	675.5
R 9X0.65X114.3	9.0	0.65	114.3	0.0020	767.6
R 9X0.65X115	9.0	0.65	115.0	0.0020	772.5
R 9X0.8X19.1	9.0	0.80	19.1	0.0890	44.9

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 9X0.8X19.8	9.0	0.80	19.8	0.0890	45.6
R 9X0.8X20.6	9.0	0.80	20.6	0.0797	49.4
R 9X0.8X25.4	9.0	0.80	25.4	0.0488	72.4
R 9X0.8X60.6	9.0	0.80	60.6	0.0127	241.0
R 9X0.8X63	9.0	0.80	63.0	0.0121	252.5
R 9X0.85X19.1	9.0	0.85	19.1	0.1310	39.7
R 9X0.9X63	9.0	0.90	63.0	0.0223	204.5
R 9X1X18.2	9.0	1.00	18.2	0.3061	31.8
R 9X1X24	9.0	1.00	24.0	0.1730	48.1
R 9X1X59.2	9.0	1.00	59.2	0.0419	158.9
R 9X1X63	9.0	1.00	63.0	0.0394	169.0
R 9X1X66.2	9.0	1.00	66.2	0.0365	180.6
R 9X1X74.2	9.0	1.00	74.2	0.0318	205.4
R 9X1X82.2	9.0	1.00	82.2	0.0282	230.2
R 9X1X130	9.0	1.00	130.0	0.0169	376.6
R 9X1.1X63	9.0	1.10	63.0	0.0651	145.8
R 9X1.2X305	9.0	1.20	305.0	0.0182	677.5
R 9X1.25X63	9.0	1.25	63.0	0.1288	121.7
R 9X1.25X82.6	9.0	1.25	82.6	0.0946	162.5
R 9X1.25X83	9.0	1.25	83.0	0.0929	164.3
R 9X1.25X88.9	9.0	1.25	88.9	0.0869	175.9
R 9X1.25X215	9.0	1.25	215.0	0.0329	444.8
R 9X1.3X102	9.0	1.30	102.0	0.0917	193.3
R 9X1.4X105	9.0	1.40	105.0	0.1341	180.9
R 9X1.4X172	9.0	1.40	172.0	0.0779	302.6
R 9X1.5X109	9.0	1.50	109.0	0.1866	174.2
R 9X1.5X121	9.0	1.50	121.0	0.1663	194.2
R 9X1.5X133	9.0	1.50	133.0	0.1500	214.1
R 9X1.8X28.4	9.0	1.80	28.4	3.0160	34.8
R 9X1.8X39.2	9.0	1.80	39.2	1.8485	49.7
R 9X1.8X55.4	9.0	1.80	55.4	1.1695	72.0
R 9X1.8X82.4	9.0	1.80	82.4	0.7254	109.1
R 9X1.8X118	9.0	1.80	118.0	0.4816	158.2
R 9.1X0.6X17.4	9.1	0.60	17.4	0.0331	49.1
R 9.1X0.65X25	9.1	0.65	25.0	0.0163	104.8
R 9.1X0.65X25.4	9.1	0.65	25.4	0.0163	105.2
R 9.1X0.65X28.4	9.1	0.65	28.4	0.0128	129.8
R 9.1X0.65X29	9.1	0.65	29.0	0.0123	134.7
R 9.1X0.65X31.8	9.1	0.65	31.8	0.0106	154.7
R 9.1X0.65X32	9.1	0.65	32.0	0.0102	159.3
R 9.1X0.65X34.8	9.1	0.65	34.8	0.0090	179.3

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 9.1X0.65X35	9.1	0.65	35.0	0.0090	179.5
R 9.1X0.65X38	9.1	0.65	38.0	0.0078	204.1
R 9.1X0.65X38.1	9.1	0.65	38.1	0.0078	204.2
R 9.1X0.65X44.4	9.1	0.65	44.4	0.0062	253.6
R 9.1X0.65X45	9.1	0.65	45.0	0.0061	258.5
R 9.1X0.65X50	9.1	0.65	50.0	0.0053	293.7
R 9.1X0.75X29	9.1	0.75	29.0	0.0258	103.2
R 9.1X0.75X30	9.1	0.75	30.0	0.0246	107.7
R 9.1X0.75X31	9.1	0.75	31.0	0.0226	115.6
R 9.1X0.75X35	9.1	0.75	35.0	0.0188	136.8
R 9.1X0.8X22.1	9.1	0.80	22.1	0.0635	57.9
R 9.1X0.8X25.4	9.1	0.80	25.4	0.0471	73.7
R 9.1X0.8X28.4	9.1	0.80	28.4	0.0374	89.2
R 9.1X0.8X34.8	9.1	0.80	34.8	0.0265	120.5
R 9.1X0.8X38.1	9.1	0.80	38.1	0.0232	136.2
R 9.1X0.8X57.2	9.1	0.80	57.2	0.0131	230.1
R 9.1X0.8X63.5	9.1	0.80	63.5	0.0115	261.3
R 9.1X0.8X69.8	9.1	0.80	69.8	0.0102	292.6
R 9.1X0.8X76.2	9.1	0.80	76.2	0.0092	323.9
R 9.1X0.85X25	9.1	0.85	25.0	0.0653	66.0
R 9.1X0.85X25.4	9.1	0.85	25.4	0.0653	66.4
R 9.1X0.85X28.4	9.1	0.85	28.4	0.0512	80.7
R 9.1X0.85X29	9.1	0.85	29.0	0.0486	84.1
R 9.1X0.85X31.8	9.1	0.85	31.8	0.0421	95.4
R 9.1X0.85X32	9.1	0.85	32.0	0.0421	95.6
R 9.1X0.85X34.8	9.1	0.85	34.8	0.0357	109.7
R 9.1X0.85X35	9.1	0.85	35.0	0.0357	109.9
R 9.1X0.85X38	9.1	0.85	38.0	0.0321	121.4
R 9.1X0.85X38.1	9.1	0.85	38.1	0.0321	121.5
R 9.1X0.85X44.4	9.1	0.85	44.4	0.0253	150.4
R 9.1X0.85X45	9.1	0.85	45.0	0.0246	153.8
R 9.1X0.85X50	9.1	0.85	50.0	0.0218	172.9
R 9.1X0.85X50.8	9.1	0.85	50.8	0.0213	176.5
R 9.1X0.85X57	9.1	0.85	57.0	0.0180	205.4
R 9.1X0.85X57.2	9.1	0.85	57.2	0.0180	205.6
R 9.1X0.85X63.5	9.1	0.85	63.5	0.0159	231.6
R 9.1X0.85X64	9.1	0.85	64.0	0.0157	235.0
R 9.1X0.85X69.8	9.1	0.85	69.8	0.0140	260.5
R 9.1X0.85X70	9.1	0.85	70.0	0.0140	260.7
R 9.1X0.85X76	9.1	0.85	76.0	0.0127	286.5
R 9.1X0.85X76.2	9.1	0.85	76.2	0.0127	286.7

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 9.1X0.85X88.9	9.1	0.85	88.9	0.0106	341.8
R 9.1X0.85X89	9.1	0.85	89.0	0.0106	341.9
R 9.1X0.85X101.6	9.1	0.85	101.6	0.0091	396.9
R 9.1X0.85X102	9.1	0.85	102.0	0.0090	400.1
R 9.1X0.85X114.3	9.1	0.85	114.3	0.0079	452.0
R 9.1X0.85X115	9.1	0.85	115.0	0.0079	455.5
R 9.1X0.85X127	9.1	0.85	127.0	0.0070	507.1
R 9.1X0.9X19	9.1	0.90	19.0	0.1616	38.3
R 9.1X0.9X19.1	9.1	0.90	19.1	0.1616	38.4
R 9.1X0.9X25	9.1	0.90	25.0	0.0898	59.7
R 9.1X0.9X25.4	9.1	0.90	25.4	0.0836	62.7
R 9.1X0.9X28.4	9.1	0.90	28.4	0.0693	73.4
R 9.1X0.9X29	9.1	0.90	29.0	0.0655	76.6
R 9.1X0.9X31.8	9.1	0.90	31.8	0.0564	87.1
R 9.1X0.9X32	9.1	0.90	32.0	0.0564	87.3
R 9.1X0.9X34.8	9.1	0.90	34.8	0.0495	97.9
R 9.1X0.9X35	9.1	0.90	35.0	0.0495	98.1
R 9.1X0.9X38	9.1	0.90	38.0	0.0425	111.4
R 9.1X0.9X38.1	9.1	0.90	38.1	0.0425	111.5
R 9.1X0.9X44.4	9.1	0.90	44.4	0.0341	135.8
R 9.1X0.9X45	9.1	0.90	45.0	0.0332	138.9
R 9.1X0.9X48	9.1	0.90	48.0	0.0307	149.7
R 9.1X0.9X50	9.1	0.90	50.0	0.0292	156.8
R 9.1X0.9X50.8	9.1	0.90	50.8	0.0285	160.2
R 9.1X0.9X57	9.1	0.90	57.0	0.0245	184.4
R 9.1X0.9X57.2	9.1	0.90	57.2	0.0245	184.6
R 9.1X0.9X60	9.1	0.90	60.0	0.0231	195.1
R 9.1X0.9X63.5	9.1	0.90	63.5	0.0215	208.9
R 9.1X0.9X64	9.1	0.90	64.0	0.0211	212.0
R 9.1X0.9X69.8	9.1	0.90	69.8	0.0191	233.2
R 9.1X0.9X70	9.1	0.90	70.0	0.0191	233.4
R 9.1X0.9X76	9.1	0.90	76.0	0.0172	257.5
R 9.1X0.9X76.2	9.1	0.90	76.2	0.0172	257.7
R 9.1X0.9X88.9	9.1	0.90	88.9	0.0143	306.4
R 9.1X0.9X89	9.1	0.90	89.0	0.0143	306.5
R 9.1X0.9X101.6	9.1	0.90	101.6	0.0123	355.1
R 9.1X0.9X102	9.1	0.90	102.0	0.0122	358.1
R 9.1X0.9X105	9.1	0.90	105.0	0.0118	368.8
R 9.1X0.9X114.3	9.1	0.90	114.3	0.0107	406.4
R 9.1X0.9X115	9.1	0.90	115.0	0.0107	407.1
R 9.1X0.9X127	9.1	0.90	127.0	0.0095	455.2

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 9.1X1X19	9.1	1.00	19.0	0.2949	33.0
R 9.1X1X19.1	9.1	1.00	19.1	0.2949	33.1
R 9.1X1X25	9.1	1.00	25.0	0.1534	52.0
R 9.1X1X25.4	9.1	1.00	25.4	0.1420	54.5
R 9.1X1X28.4	9.1	1.00	28.4	0.1162	64.0
R 9.1X1X29	9.1	1.00	29.0	0.1162	64.6
R 9.1X1X31.8	9.1	1.00	31.8	0.0983	73.9
R 9.1X1X32	9.1	1.00	32.0	0.0983	74.1
R 9.1X1X34.8	9.1	1.00	34.8	0.0852	83.4
R 9.1X1X35	9.1	1.00	35.0	0.0852	83.6
R 9.1X1X38	9.1	1.00	38.0	0.0752	93.0
R 9.1X1X38.1	9.1	1.00	38.1	0.0752	93.1
R 9.1X1X44.4	9.1	1.00	44.4	0.0590	114.5
R 9.1X1X45	9.1	1.00	45.0	0.0590	115.1
R 9.1X1X48	9.1	1.00	48.0	0.0540	124.6
R 9.1X1X50	9.1	1.00	50.0	0.0511	130.9
R 9.1X1X50.8	9.1	1.00	50.8	0.0498	133.9
R 9.1X1X57	9.1	1.00	57.0	0.0431	153.0
R 9.1X1X57.2	9.1	1.00	57.2	0.0431	153.2
R 9.1X1X63.5	9.1	1.00	63.5	0.0372	174.7
R 9.1X1X64	9.1	1.00	64.0	0.0372	175.2
R 9.1X1X69.8	9.1	1.00	69.8	0.0333	193.9
R 9.1X1X70	9.1	1.00	70.0	0.0333	194.1
R 9.1X1X76	9.1	1.00	76.0	0.0302	213.1
R 9.1X1X76.2	9.1	1.00	76.2	0.0302	213.3
R 9.1X1X88.9	9.1	1.00	88.9	0.0251	254.0
R 9.1X1X89	9.1	1.00	89.0	0.0251	254.1
R 9.1X1X101.6	9.1	1.00	101.6	0.0214	294.8
R 9.1X1X102	9.1	1.00	102.0	0.0214	295.2
R 9.1X1X114.3	9.1	1.00	114.3	0.0189	333.4
R 9.1X1X115	9.1	1.00	115.0	0.0187	336.2
R 9.1X1X127	9.1	1.00	127.0	0.0167	374.1
R 9.1X1.1X19	9.1	1.10	19.0	0.4482	30.9
R 9.1X1.1X25.4	9.1	1.10	25.4	0.2331	48.3
R 9.1X1.1X28.4	9.1	1.10	28.4	0.2009	55.0
R 9.1X1.1X31.8	9.1	1.10	31.8	0.1665	63.9
R 9.1X1.1X34.8	9.1	1.10	34.8	0.1421	72.3
R 9.1X1.1X38.1	9.1	1.10	38.1	0.1240	81.1
R 9.1X1.1X44.4	9.1	1.10	44.4	0.0988	98.4
R 9.1X1.1X50.8	9.1	1.10	50.8	0.0821	115.8
R 9.1X1.1X57.2	9.1	1.10	57.2	0.0719	131.4

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 9.1X1.1X63.5	9.1	1.10	63.5	0.0626	148.7
R 9.1X1.1X69.8	9.1	1.10	69.8	0.0555	166.0
R 9.1X1.1X76.2	9.1	1.10	76.2	0.0498	183.3
R 9.1X1.1X88.9	9.1	1.10	88.9	0.0419	216.2
R 9.1X1.1X101.6	9.1	1.10	101.6	0.0357	250.9
R 9.1X1.1X114.3	9.1	1.10	114.3	0.0315	283.7
R 9.1X1.1X127	9.1	1.10	127.0	0.0279	318.4
R 9.1X1.1X139.7	9.1	1.10	139.7	0.0252	351.2
R 9.1X1.1X152.4	9.1	1.10	152.4	0.0228	385.9
R 9.1X1.12X19.1	9.1	1.12	19.1	0.4853	30.6
R 9.1X1.12X25	9.1	1.12	25.0	0.2743	45.4
R 9.1X1.12X29	9.1	1.12	29.0	0.2035	56.5
R 9.1X1.12X32	9.1	1.12	32.0	0.1803	63.1
R 9.1X1.12X35	9.1	1.12	35.0	0.1539	71.4
R 9.1X1.12X38	9.1	1.12	38.0	0.1342	79.7
R 9.1X1.12X41	9.1	1.12	41.0	0.1237	86.2
R 9.1X1.12X45	9.1	1.12	45.0	0.1069	97.3
R 9.1X1.12X48	9.1	1.12	48.0	0.0971	105.7
R 9.1X1.12X50	9.1	1.12	50.0	0.0942	109.4
R 9.1X1.12X54	9.1	1.12	54.0	0.0841	120.5
R 9.1X1.12X57	9.1	1.12	57.0	0.0779	128.9
R 9.1X1.12X60	9.1	1.12	60.0	0.0742	135.4
R 9.1X1.12X64	9.1	1.12	64.0	0.0678	146.5
R 9.1X1.12X70	9.1	1.12	70.0	0.0613	161.4
R 9.1X1.12X76	9.1	1.12	76.0	0.0549	178.0
R 9.1X1.12X89	9.1	1.12	89.0	0.0461	210.6
R 9.1X1.12X102	9.1	1.12	102.0	0.0392	244.8
R 9.1X1.12X115	9.1	1.12	115.0	0.0345	277.4
R 9.1X1.12X127	9.1	1.12	127.0	0.0308	308.9
R 9.1X1.12X140	9.1	1.12	140.0	0.0276	343.2
R 9.1X1.12X152	9.1	1.12	152.0	0.0253	372.9
R 9.1X1.25X25.4	9.1	1.25	25.4	0.4897	40.7
R 9.1X1.25X28.4	9.1	1.25	28.4	0.3809	48.1
R 9.1X1.25X31.8	9.1	1.25	31.8	0.3317	54.4
R 9.1X1.25X34.8	9.1	1.25	34.8	0.2779	61.7
R 9.1X1.25X38.1	9.1	1.25	38.1	0.2391	69.4
R 9.1X1.25X44.4	9.1	1.25	44.4	0.1940	83.0
R 9.1X1.25X50.8	9.1	1.25	50.8	0.1632	96.7
R 9.1X1.25X57.2	9.1	1.25	57.2	0.1409	110.4
R 9.1X1.25X63.5	9.1	1.25	63.5	0.1239	123.9
R 9.1X1.25X69.8	9.1	1.25	69.8	0.1106	137.5

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 9.1X1.25X76.2	9.1	1.25	76.2	0.0998	151.2
R 9.1X1.25X101.6	9.1	1.25	101.6	0.0719	205.7
R 9.1X1.25X114.3	9.1	1.25	114.3	0.0631	233.0
R 9.1X1.25X127	9.1	1.25	127.0	0.0556	261.7
R 9.1X1.25X139.7	9.1	1.25	139.7	0.0502	289.0
R 9.1X1.25X152.4	9.1	1.25	152.4	0.0457	316.2
R 9.1X1.3X25	9.1	1.30	25.0	0.5839	39.2
R 9.1X1.3X29	9.1	1.30	29.0	0.4542	47.3
R 9.1X1.3X32	9.1	1.30	32.0	0.3956	53.0
R 9.1X1.3X35	9.1	1.30	35.0	0.3504	58.7
R 9.1X1.3X38	9.1	1.30	38.0	0.2991	65.8
R 9.1X1.3X45	9.1	1.30	45.0	0.2404	79.5
R 9.1X1.3X50	9.1	1.30	50.0	0.2078	90.0
R 9.1X1.3X57	9.1	1.30	57.0	0.1777	103.7
R 9.1X1.3X64	9.1	1.30	64.0	0.1514	118.8
R 9.1X1.3X70	9.1	1.30	70.0	0.1378	130.3
R 9.1X1.3X76	9.1	1.30	76.0	0.1239	143.0
R 9.1X1.4X25	9.1	1.40	25.0	0.9024	36.2
R 9.1X1.4X25.4	9.1	1.40	25.4	0.9024	36.6
R 9.1X1.4X28.4	9.1	1.40	28.4	0.6858	43.1
R 9.1X1.4X29	9.1	1.40	29.0	0.6858	43.7
R 9.1X1.4X31.8	9.1	1.40	31.8	0.5912	48.9
R 9.1X1.4X32	9.1	1.40	32.0	0.5912	49.1
R 9.1X1.4X34.8	9.1	1.40	34.8	0.5195	54.2
R 9.1X1.4X35	9.1	1.40	35.0	0.5195	54.4
R 9.1X1.4X38	9.1	1.40	38.0	0.4634	59.8
R 9.1X1.4X38.1	9.1	1.40	38.1	0.4396	61.0
R 9.1X1.4X44.4	9.1	1.40	44.4	0.3648	72.0
R 9.1X1.4X45	9.1	1.40	45.0	0.3648	72.6
R 9.1X1.4X50	9.1	1.40	50.0	0.3117	82.3
R 9.1X1.4X50.8	9.1	1.40	50.8	0.3008	84.3
R 9.1X1.4X57	9.1	1.40	57.0	0.2638	95.2
R 9.1X1.4X57.2	9.1	1.40	57.2	0.2638	95.4
R 9.1X1.4X63.5	9.1	1.40	63.5	0.2286	107.6
R 9.1X1.4X64	9.1	1.40	64.0	0.2286	108.1
R 9.1X1.4X69.8	9.1	1.40	69.8	0.2066	118.6
R 9.1X1.4X70	9.1	1.40	70.0	0.2066	118.8
R 9.1X1.4X76	9.1	1.40	76.0	0.1844	130.7
R 9.1X1.4X76.2	9.1	1.40	76.2	0.1844	130.9
R 9.1X1.4X88.9	9.1	1.40	88.9	0.1545	154.2
R 9.1X1.4X89	9.1	1.40	89.0	0.1545	154.3

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 9.1X1.4X95	9.1	1.40	95.0	0.1441	165.0
R 9.1X1.4X101.6	9.1	1.40	101.6	0.1329	177.5
R 9.1X1.4X102	9.1	1.40	102.0	0.1329	177.9
R 9.1X1.4X114.3	9.1	1.40	114.3	0.1166	200.8
R 9.1X1.4X115	9.1	1.40	115.0	0.1166	201.5
R 9.1X1.4X127	9.1	1.40	127.0	0.1039	224.0
R 9.1X1.4X139.7	9.1	1.40	139.7	0.0937	247.3
R 9.1X1.4X140	9.1	1.40	140.0	0.0937	247.6
R 9.1X1.4X152	9.1	1.40	152.0	0.0853	270.2
R 9.1X1.4X152.4	9.1	1.40	152.4	0.0853	270.6
R 9.1X1.5X25.4	9.1	1.50	25.4	1.2367	35.2
R 9.1X1.5X28.4	9.1	1.50	28.4	1.0216	40.2
R 9.1X1.5X31.8	9.1	1.50	31.8	0.8703	45.7
R 9.1X1.5X34.8	9.1	1.50	34.8	0.7580	50.7
R 9.1X1.5X38.1	9.1	1.50	38.1	0.6714	56.1
R 9.1X1.5X44.4	9.1	1.50	44.4	0.5222	67.5
R 9.1X1.5X50.8	9.1	1.50	50.8	0.4433	78.0
R 9.1X1.5X57.2	9.1	1.50	57.2	0.3852	88.5
R 9.1X1.5X63.5	9.1	1.50	63.5	0.3405	98.9
R 9.1X1.5X69.8	9.1	1.50	69.8	0.2974	110.4
R 9.1X1.5X76.2	9.1	1.50	76.2	0.2701	120.9
R 9.1X1.5X88.9	9.1	1.50	88.9	0.2281	141.8
R 9.1X1.5X101.6	9.1	1.50	101.6	0.1942	163.7
R 9.1X1.5X114.3	9.1	1.50	114.3	0.1715	184.6
R 9.1X1.5X127	9.1	1.50	127.0	0.1516	206.6
R 9.1X1.5X139.7	9.1	1.50	139.7	0.1374	227.5
R 9.1X1.5X152.4	9.1	1.50	152.4	0.1243	249.4
R 9.2X0.8X20	9.2	0.80	20.0	0.0828	47.2
R 9.2X0.8X22	9.2	0.80	22.0	0.0612	58.8
R 9.2X0.8X25	9.2	0.80	25.0	0.0454	74.6
R 9.2X0.8X29	9.2	0.80	29.0	0.0343	94.6
R 9.2X0.8X32	9.2	0.80	32.0	0.0300	107.2
R 9.2X0.8X35	9.2	0.80	35.0	0.0256	123.0
R 9.2X0.8X38	9.2	0.80	38.0	0.0224	138.8
R 9.2X0.8X40	9.2	0.80	40.0	0.0210	147.2
R 9.2X0.8X45	9.2	0.80	45.0	0.0174	174.6
R 9.2X0.8X50	9.2	0.80	50.0	0.0151	198.8
R 9.2X0.8X57	9.2	0.80	57.0	0.0127	234.6
R 9.2X0.8X60	9.2	0.80	60.0	0.0120	247.2
R 9.2X0.8X64	9.2	0.80	64.0	0.0111	267.2
R 9.2X0.8X70	9.2	0.80	70.0	0.0098	298.8

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 9.2X0.8X76	9.2	0.80	76.0	0.0090	327.2
R 9.2X0.8X80	9.2	0.80	80.0	0.0084	347.2
R 9.2X0.8X100	9.2	0.80	100.0	0.0065	447.2
R 9.2X0.8X120	9.2	0.80	120.0	0.0053	547.2
R 9.2X0.8X200	9.2	0.80	200.0	0.0030	947.2
R 9.2X1X20	9.2	1.00	20.0	0.2464	36.6
R 9.2X1X22	9.2	1.00	22.0	0.1945	43.1
R 9.2X1X25	9.2	1.00	25.0	0.1478	52.7
R 9.2X1X29	9.2	1.00	29.0	0.1120	65.6
R 9.2X1X32	9.2	1.00	32.0	0.0948	75.3
R 9.2X1X35	9.2	1.00	35.0	0.0821	84.9
R 9.2X1X38	9.2	1.00	38.0	0.0725	94.6
R 9.2X1X40	9.2	1.00	40.0	0.0672	101.0
R 9.2X1X45	9.2	1.00	45.0	0.0569	117.1
R 9.2X1X50	9.2	1.00	50.0	0.0493	133.2
R 9.2X1X57	9.2	1.00	57.0	0.0415	155.7
R 9.2X1X60	9.2	1.00	60.0	0.0389	165.4
R 9.2X1X64	9.2	1.00	64.0	0.0359	178.3
R 9.2X1X70	9.2	1.00	70.0	0.0321	197.6
R 9.2X1X76	9.2	1.00	76.0	0.0291	216.9
R 9.2X1X80	9.2	1.00	80.0	0.0274	229.8
R 9.2X1X100	9.2	1.00	100.0	0.0211	294.2
R 9.2X1X120	9.2	1.00	120.0	0.0172	358.5
R 9.2X1X200	9.2	1.00	200.0	0.0099	616.1
R 9.2X1X260	9.2	1.00	260.0	0.0075	809.2
R 9.2X1.1X41	9.2	1.10	41.0	0.1059	90.9
R 9.2X1.1X48	9.2	1.10	48.0	0.0864	109.2
R 9.2X1.1X100	9.2	1.10	100.0	0.0353	249.8
R 9.2X1.1X200	9.2	1.10	200.0	0.0165	521.2
R 9.2X1.2X67	9.2	1.20	67.0	0.0907	140.5
R 9.2X1.25X25	9.2	1.25	25.0	0.4714	40.7
R 9.2X1.25X27	9.2	1.25	27.0	0.3960	45.7
R 9.2X1.25X29	9.2	1.25	29.0	0.3667	49.2
R 9.2X1.25X32	9.2	1.25	32.0	0.3000	56.7
R 9.2X1.25X35	9.2	1.25	35.0	0.2676	62.7
R 9.2X1.25X38	9.2	1.25	38.0	0.2415	68.7
R 9.2X1.25X40	9.2	1.25	40.0	0.2200	73.7
R 9.2X1.25X43.3	9.2	1.25	43.3	0.1941	81.5
R 9.2X1.25X45	9.2	1.25	45.0	0.1868	84.7
R 9.2X1.25X50	9.2	1.25	50.0	0.1623	95.7
R 9.2X1.25X57	9.2	1.25	57.0	0.1356	111.7

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 9.2X1.25X58.5	9.2	1.25	58.5	0.1320	114.7
R 9.2X1.25X60	9.2	1.25	60.0	0.1286	117.7
R 9.2X1.25X64	9.2	1.25	64.0	0.1193	126.2
R 9.2X1.25X70	9.2	1.25	70.0	0.1065	139.7
R 9.2X1.25X70.8	9.2	1.25	70.8	0.1042	142.0
R 9.2X1.25X76	9.2	1.25	76.0	0.0961	153.2
R 9.2X1.25X79.5	9.2	1.25	79.5	0.0908	161.2
R 9.2X1.25X80	9.2	1.25	80.0	0.0908	161.7
R 9.2X1.25X89	9.2	1.25	89.0	0.0805	181.2
R 9.2X1.25X89.5	9.2	1.25	89.5	0.0792	183.2
R 9.2X1.25X99.5	9.2	1.25	99.5	0.0702	205.2
R 9.2X1.25X100	9.2	1.25	100.0	0.0702	205.7
R 9.2X1.25X102	9.2	1.25	102.0	0.0683	210.7
R 9.2X1.25X109	9.2	1.25	109.0	0.0639	225.2
R 9.2X1.25X115	9.2	1.25	115.0	0.0600	238.7
R 9.2X1.25X120	9.2	1.25	120.0	0.0572	249.7
R 9.2X1.25X127	9.2	1.25	127.0	0.0535	265.7
R 9.2X1.25X140	9.2	1.25	140.0	0.0483	293.7
R 9.2X1.25X152	9.2	1.25	152.0	0.0440	320.7
R 9.2X1.25X160	9.2	1.25	160.0	0.0418	337.7
R 9.2X1.25X180	9.2	1.25	180.0	0.0368	381.7
R 9.2X1.25X200	9.2	1.25	200.0	0.0329	425.7
R 9.2X1.25X220	9.2	1.25	220.0	0.0297	469.7
R 9.2X1.25X300	9.2	1.25	300.0	0.0215	645.6
R 9.2X1.4X22	9.2	1.40	22.0	1.0996	31.1
R 9.2X1.4X35	9.2	1.40	35.0	0.4998	55.0
R 9.2X1.4X57	9.2	1.40	57.0	0.2538	96.4
R 9.2X1.4X83	9.2	1.40	83.0	0.1633	144.2
R 9.2X1.4X100	9.2	1.40	100.0	0.1299	177.0
R 9.2X1.4X160	9.2	1.40	160.0	0.0782	287.9
R 9.2X1.4X220	9.2	1.40	220.0	0.0555	400.0
R 9.2X1.5X25	9.2	1.50	25.0	1.1892	35.1
R 9.2X1.5X29	9.2	1.50	29.0	0.9823	41.2
R 9.2X1.5X32	9.2	1.50	32.0	0.8368	46.3
R 9.2X1.5X35	9.2	1.50	35.0	0.7288	51.4
R 9.2X1.5X38	9.2	1.50	38.0	0.6455	56.5
R 9.2X1.5X40	9.2	1.50	40.0	0.5793	60.7
R 9.2X1.5X45	9.2	1.50	45.0	0.5021	68.8
R 9.2X1.5X50	9.2	1.50	50.0	0.4430	77.0
R 9.2X1.5X57	9.2	1.50	57.0	0.3704	89.3
R 9.2X1.5X60	9.2	1.50	60.0	0.3476	94.4

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 9.2X1.5X64	9.2	1.50	64.0	0.3182	101.6
R 9.2X1.5X70	9.2	1.50	70.0	0.2860	111.8
R 9.2X1.5X76	9.2	1.50	76.0	0.2597	122.1
R 9.2X1.5X80	9.2	1.50	80.0	0.2483	128.2
R 9.2X1.5X89	9.2	1.50	89.0	0.2194	143.5
R 9.2X1.5X100	9.2	1.50	100.0	0.1899	163.0
R 9.2X1.5X102	9.2	1.50	102.0	0.1867	166.1
R 9.2X1.5X115	9.2	1.50	115.0	0.1625	188.6
R 9.2X1.5X120	9.2	1.50	120.0	0.1558	196.8
R 9.2X1.5X127	9.2	1.50	127.0	0.1458	209.1
R 9.2X1.5X140	9.2	1.50	140.0	0.1321	230.6
R 9.2X1.5X152	9.2	1.50	152.0	0.1208	251.0
R 9.2X1.5X180	9.2	1.50	180.0	0.1004	299.2
R 9.2X1.5X220	9.2	1.50	220.0	0.0810	367.8
R 9.4X0.9X19.8	9.4	0.90	19.8	0.1451	40.7
R 9.4X1X20	9.4	1.00	20.0	0.2292	37.6
R 9.4X1X38	9.4	1.00	38.0	0.0674	97.7
R 9.4X1X53	9.4	1.00	53.0	0.0424	147.9
R 9.4X1X80	9.4	1.00	80.0	0.0255	238.1
R 9.4X1X90.8	9.4	1.00	90.8	0.0222	272.4
R 9.4X1X200	9.4	1.00	200.0	0.0092	639.3
R 9.4X1.25X24.8	9.4	1.25	24.8	0.4376	41.5
R 9.5X0.65X29	9.5	0.65	29.0	0.0112	141.3
R 9.5X0.7X50	9.5	0.70	50.0	0.0070	269.6
R 9.5X0.7X76	9.5	0.70	76.0	0.0040	457.7
R 9.5X0.7X80	9.5	0.70	80.0	0.0038	483.0
R 9.5X0.75X22	9.5	0.75	22.0	0.0418	66.1
R 9.5X0.75X38	9.5	0.75	38.0	0.0148	162.5
R 9.5X0.75X76	9.5	0.75	76.0	0.0058	395.9
R 9.5X0.8X21	9.5	0.80	21.0	0.0667	53.9
R 9.5X0.8X22.4	9.5	0.80	22.4	0.0551	62.2
R 9.5X0.8X27	9.5	0.80	27.0	0.0384	84.1
R 9.5X0.8X29.6	9.5	0.80	29.6	0.0309	100.5
R 9.5X0.8X31.8	9.5	0.80	31.8	0.0282	109.7
R 9.5X0.8X34.8	9.5	0.80	34.8	0.0239	126.5
R 9.5X0.8X36	9.5	0.80	36.0	0.0222	134.6
R 9.5X0.8X41	9.5	0.80	41.0	0.0184	160.4
R 9.5X0.8X41.6	9.5	0.80	41.6	0.0179	164.4
R 9.5X0.8X42	9.5	0.80	42.0	0.0179	164.8
R 9.5X0.8X43.5	9.5	0.80	43.5	0.0169	173.3
R 9.5X0.8X44.4	9.5	0.80	44.4	0.0165	177.6

Referenz Nummer	Außendurchmesse r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 9.5X0.8X45.1	9.5	0.80	45.1	0.0160	181.8
R 9.5X0.8X50	9.5	0.80	50.0	0.0139	207.4
R 9.5X0.8X50.8	9.5	0.80	50.8	0.0136	211.7
R 9.5X0.8X54	9.5	0.80	54.0	0.0125	228.7
R 9.5X0.8X57.2	9.5	0.80	57.2	0.0116	245.8
R 9.5X0.8X59.2	9.5	0.80	59.2	0.0110	258.2
R 9.5X0.8X63	9.5	0.80	63.0	0.0103	275.8
R 9.5X0.8X63.5	9.5	0.80	63.5	0.0101	279.8
R 9.5X0.8X69.8	9.5	0.80	69.8	0.0090	313.8
R 9.5X0.85X22	9.5	0.85	22.0	0.0783	55.0
R 9.5X0.85X22.4	9.5	0.85	22.4	0.0783	55.4
R 9.5X0.85X31.8	9.5	0.85	31.8	0.0382	99.3
R 9.5X0.85X34.8	9.5	0.85	34.8	0.0322	114.9
R 9.5X0.85X38	9.5	0.85	38.0	0.0279	130.7
R 9.5X0.85X38.1	9.5	0.85	38.1	0.0279	130.8
R 9.5X0.85X44.4	9.5	0.85	44.4	0.0225	159.1
R 9.5X0.85X64	9.5	0.85	64.0	0.0138	250.9
R 9.5X0.85X92	9.5	0.85	92.0	0.0089	382.6
R 9.5X0.85X102	9.5	0.85	102.0	0.0079	430.2
R 9.5X0.9X19	9.5	0.90	19.0	0.1617	37.6
R 9.5X0.9X22	9.5	0.90	22.0	0.1106	49.2
R 9.5X0.9X25	9.5	0.90	25.0	0.0778	63.7
R 9.5X0.9X25.4	9.5	0.90	25.4	0.0778	64.1
R 9.5X0.9X28.4	9.5	0.90	28.4	0.0637	75.6
R 9.5X0.9X31.8	9.5	0.90	31.8	0.0513	90.5
R 9.5X0.9X34.8	9.5	0.90	34.8	0.0447	102.1
R 9.5X0.9X38	9.5	0.90	38.0	0.0382	116.8
R 9.5X0.9X38.1	9.5	0.90	38.1	0.0382	116.9
R 9.5X0.9X44.4	9.5	0.90	44.4	0.0305	143.2
R 9.5X0.9X55	9.5	0.90	55.0	0.0226	188.2
R 9.5X1X19	9.5	1.00	19.0	0.2552	34.6
R 9.5X1X26	9.5	1.00	26.0	0.1229	58.5
R 9.5X1X41	9.5	1.00	41.0	0.0582	109.6
R 9.5X1X44.4	9.5	1.00	44.4	0.0527	120.2
R 9.5X1X54	9.5	1.00	54.0	0.0400	153.9
R 9.5X1X60	9.5	1.00	60.0	0.0349	174.3
R 9.5X1X67	9.5	1.00	67.0	0.0304	198.1
R 9.5X1X73	9.5	1.00	73.0	0.0274	218.6
R 9.5X1X95	9.5	1.00	95.0	0.0201	293.5
R 9.5X1X140	9.5	1.00	140.0	0.0130	446.8
R 9.5X1X152	9.5	1.00	152.0	0.0119	487.7

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 9.5X1X178	9.5	1.00	178.0	0.0100	576.2
R 9.5X1.1X22	9.5	1.10	22.0	0.2961	39.4
R 9.5X1.1X24	9.5	1.10	24.0	0.2397	45.5
R 9.5X1.12X19	9.5	1.12	19.0	0.4953	29.9
R 9.5X1.12X35	9.5	1.12	35.0	0.1397	73.7
R 9.5X1.12X200	9.5	1.12	200.0	0.0163	532.2
R 9.5X1.2X20	9.5	1.20	20.0	0.5684	31.4
R 9.5X1.2X50	9.5	1.20	50.0	0.1173	105.3
R 9.5X1.2X75	9.5	1.20	75.0	0.0704	167.2
R 9.5X1.2X102	9.5	1.20	102.0	0.0496	232.9
R 9.5X1.25X34.2	9.5	1.25	34.2	0.2531	62.8
R 9.5X1.3X38	9.5	1.30	38.0	0.2706	67.6
R 9.5X1.3X50	9.5	1.30	50.0	0.1852	93.3
R 9.5X1.3X54	9.5	1.30	54.0	0.1624	103.4
R 9.5X1.3X57	9.5	1.30	57.0	0.1530	109.4
R 9.5X1.3X60	9.5	1.30	60.0	0.1446	115.5
R 9.5X1.3X64	9.5	1.30	64.0	0.1336	124.0
R 9.5X1.3X70	9.5	1.30	70.0	0.1186	137.6
R 9.5X1.3X73	9.5	1.30	73.0	0.1135	143.7
R 9.5X1.3X76	9.5	1.30	76.0	0.1088	149.7
R 9.5X1.4X25	9.5	1.40	25.0	0.7752	37.6
R 9.5X1.4X31.8	9.5	1.40	31.8	0.5079	51.0
R 9.5X1.4X34.8	9.5	1.40	34.8	0.4463	56.6
R 9.5X1.4X45	9.5	1.40	45.0	0.3134	76.1
R 9.5X1.4X64	9.5	1.40	64.0	0.1964	113.6
R 9.5X1.4X70	9.5	1.40	70.0	0.1775	124.9
R 9.5X1.4X76	9.5	1.40	76.0	0.1619	136.2
R 9.5X1.4X81	9.5	1.40	81.0	0.1488	146.5
R 9.5X1.4X82	9.5	1.40	82.0	0.1488	147.5
R 9.5X1.4X89	9.5	1.40	89.0	0.1351	161.1
R 9.5X1.4X102	9.5	1.40	102.0	0.1142	187.4
R 9.5X1.4X115	9.5	1.40	115.0	0.1002	212.3
R 9.5X1.4X152	9.5	1.40	152.0	0.0740	283.7
R 9.5X1.6X29	9.5	1.60	29.0	1.2897	39.7
R 9.5X1.6X45	9.5	1.60	45.0	0.6606	65.9
R 9.5X1.6X80	9.5	1.60	80.0	0.3186	123.3
R 9.5X1.6X102	9.5	1.60	102.0	0.2397	159.6
R 9.5X1.6X140	9.5	1.60	140.0	0.1682	222.0
R 9.5X1.8X38	9.5	1.80	38.0	1.6155	49.5
R 9.5X1.8X43	9.5	1.80	43.0	1.3386	56.9
R 9.6X0.8X25	9.6	0.80	25.0	0.0422	76.5

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 9.6X0.8X29	9.6	0.80	29.0	0.0314	98.2
R 9.6X0.8X32	9.6	0.80	32.0	0.0261	115.4
R 9.6X0.8X35	9.6	0.80	35.0	0.0231	129.1
R 9.6X0.8X38	9.6	0.80	38.0	0.0201	146.3
R 9.6X0.8X45	9.6	0.80	45.0	0.0155	185.2
R 9.6X0.8X50	9.6	0.80	50.0	0.0135	211.5
R 9.6X0.8X57	9.6	0.80	57.0	0.0112	250.4
R 9.6X0.8X64	9.6	0.80	64.0	0.0096	289.4
R 9.6X0.8X70	9.6	0.80	70.0	0.0087	320.2
R 9.6X0.8X76	9.6	0.80	76.0	0.0078	354.6
R 9.6X0.8X115	9.6	0.80	115.0	0.0048	564.0
R 9.6X0.8X203	9.6	0.80	203.0	0.0026	1042.5
R 9.6X0.85X21	9.6	0.85	21.0	0.0934	48.4
R 9.6X0.85X40	9.6	0.85	40.0	0.0252	141.5
R 9.6X0.9X30	9.6	0.90	30.0	0.0549	84.4
R 9.6X0.9X41	9.6	0.90	41.0	0.0333	130.6
R 9.6X0.9X50	9.6	0.90	50.0	0.0251	169.0
R 9.6X0.9X63	9.6	0.90	63.0	0.0183	226.1
R 9.6X0.9X75	9.6	0.90	75.0	0.0148	276.3
R 9.6X0.9X83	9.6	0.90	83.0	0.0131	310.7
R 9.6X0.9X127	9.6	0.90	127.0	0.0080	498.7
R 9.6X0.9X155	9.6	0.90	155.0	0.0064	617.8
R 9.6X0.9X305	9.6	0.90	305.0	0.0031	1258.6
R 9.6X1X25	9.6	1.00	25.0	0.1393	53.4
R 9.6X1X29	9.6	1.00	29.0	0.1033	67.3
R 9.6X1X32	9.6	1.00	32.0	0.0866	77.7
R 9.6X1X35	9.6	1.00	35.0	0.0745	88.1
R 9.6X1X45	9.6	1.00	45.0	0.0508	122.8
R 9.6X1X50	9.6	1.00	50.0	0.0439	140.2
R 9.6X1X57	9.6	1.00	57.0	0.0368	164.5
R 9.6X1X64	9.6	1.00	64.0	0.0317	188.8
R 9.6X1X70	9.6	1.00	70.0	0.0283	209.6
R 9.6X1X76	9.6	1.00	76.0	0.0256	230.4
R 9.6X1.1X32	9.6	1.10	32.0	0.1388	68.8
R 9.6X1.2X22	9.6	1.20	22.0	0.4752	35.5
R 9.6X1.2X35	9.6	1.20	35.0	0.1927	68.4
R 9.6X1.2X38	9.6	1.20	38.0	0.1658	76.8
R 9.6X1.2X42	9.6	1.20	42.0	0.1455	86.2
R 9.6X1.2X45	9.6	1.20	45.0	0.1345	92.8
R 9.6X1.2X65	9.6	1.20	65.0	0.0819	143.5
R 9.6X1.2X68	9.6	1.20	68.0	0.0766	152.0

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 9.6X1.2X76	9.6	1.20	76.0	0.0679	170.8
R 9.6X1.2X115	9.6	1.20	115.0	0.0417	269.4
R 9.6X1.2X148	9.6	1.20	148.0	0.0317	351.1
R 9.6X1.2X165	9.6	1.20	165.0	0.0282	393.4
R 9.6X1.2X200	9.6	1.20	200.0	0.0228	482.6
R 9.6X1.25X25	9.6	1.25	25.0	0.4497	40.9
R 9.6X1.25X29	9.6	1.25	29.0	0.3165	51.7
R 9.6X1.25X32	9.6	1.25	32.0	0.2756	58.0
R 9.6X1.25X35	9.6	1.25	35.0	0.2441	64.4
R 9.6X1.25X38	9.6	1.25	38.0	0.2084	72.4
R 9.6X1.25X45	9.6	1.25	45.0	0.1675	87.8
R 9.6X1.25X50	9.6	1.25	50.0	0.1448	99.5
R 9.6X1.25X64	9.6	1.25	64.0	0.1029	133.7
R 9.6X1.25X76	9.6	1.25	76.0	0.0846	160.8
R 9.6X1.25X102	9.6	1.25	102.0	0.0598	222.0
R 9.6X1.25X115	9.6	1.25	115.0	0.0524	251.8
R 9.6X1.25X127	9.6	1.25	127.0	0.0467	280.6
R 9.6X1.25X140	9.6	1.25	140.0	0.0421	310.4
R 9.6X1.25X152	9.6	1.25	152.0	0.0383	339.2
R 9.6X1.4X35	9.6	1.40	35.0	0.4302	57.5
R 9.6X1.4X45	9.6	1.40	45.0	0.3020	77.0
R 9.6X1.4X48	9.6	1.40	48.0	0.2784	82.7
R 9.6X1.4X60	9.6	1.40	60.0	0.2057	107.0
R 9.6X1.4X62	9.6	1.40	62.0	0.1999	110.4
R 9.6X1.4X76	9.6	1.40	76.0	0.1560	138.0
R 9.6X1.4X89	9.6	1.40	89.0	0.1302	163.2
R 9.6X1.4X102	9.6	1.40	102.0	0.1100	189.9
R 9.6X1.4X127	9.6	1.40	127.0	0.0871	238.0
R 9.6X1.4X267	9.6	1.40	267.0	0.0391	514.2
R 9.6X1.5X25	9.6	1.50	25.0	1.1417	35.1
R 9.6X1.5X29	9.6	1.50	29.0	0.8439	42.7
R 9.6X1.5X32	9.6	1.50	32.0	0.7189	48.1
R 9.6X1.5X35	9.6	1.50	35.0	0.6261	53.5
R 9.6X1.5X38	9.6	1.50	38.0	0.5545	58.9
R 9.6X1.5X45	9.6	1.50	45.0	0.4514	70.7
R 9.6X1.5X50	9.6	1.50	50.0	0.3806	80.4
R 9.6X1.5X57	9.6	1.50	57.0	0.3290	92.2
R 9.6X1.5X64	9.6	1.50	64.0	0.2813	105.2
R 9.6X1.5X70	9.6	1.50	70.0	0.2521	115.9
R 9.6X1.5X76	9.6	1.50	76.0	0.2283	126.7
R 9.6X1.5X89	9.6	1.50	89.0	0.1884	150.5

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 9.6X1.5X102	9.6	1.50	102.0	0.1631	173.0
R 9.6X1.5X115	9.6	1.50	115.0	0.1417	196.7
R 9.6X1.5X127	9.6	1.50	127.0	0.1269	218.3
R 9.6X1.5X140	9.6	1.50	140.0	0.1135	242.0
R 9.6X1.5X152	9.6	1.50	152.0	0.1038	263.6
R 9.6X1.6X31	9.6	1.60	31.0	1.1339	43.1
R 9.6X1.6X38	9.6	1.60	38.0	0.7903	55.3
R 9.6X1.6X51.8	9.6	1.60	51.8	0.5322	77.5
R 9.6X1.6X61.4	9.6	1.60	61.4	0.4275	93.4
R 9.6X1.6X70	9.6	1.60	70.0	0.3573	108.3
R 9.6X1.6X75.8	9.6	1.60	75.8	0.3301	117.3
R 9.6X1.6X87	9.6	1.60	87.0	0.2804	135.8
R 9.6X1.6X89	9.6	1.60	89.0	0.2689	139.9
R 9.6X1.6X98.2	9.6	1.60	98.2	0.2437	154.4
R 9.6X1.6X108	9.6	1.60	108.0	0.2155	171.5
R 9.6X1.6X111	9.6	1.60	111.0	0.2120	175.6
R 9.6X1.6X123	9.6	1.60	123.0	0.1876	196.0
R 9.6X1.6X136	9.6	1.60	136.0	0.1683	217.4
R 9.6X1.6X140	9.6	1.60	140.0	0.1620	224.5
R 9.6X1.6X172	9.6	1.60	172.0	0.1298	277.5
R 9.6X1.7X32	9.6	1.70	32.0	1.5007	42.7
R 9.9X0.6X27	9.9	0.60	27.0	0.0080	149.0
R 9.9X1X27	9.9	1.00	27.0	0.1070	63.0
R 9.9X1X38	9.9	1.00	38.0	0.0590	103.4
R 9.9X1X80	9.9	1.00	80.0	0.0217	257.4
R 9.9X1X200	9.9	1.00	200.0	0.0077	697.6
R 9.9X1.4X29	9.9	1.40	29.0	0.5541	46.0
R 9.9X1.6X31	9.9	1.60	31.0	1.0153	44.2
R 10X0.5X20	10.0	0.50	20.0	0.0071	104.0
R 10X0.5X22	10.0	0.50	22.0	0.0051	138.0
R 10X0.5X25.5	10.0	0.50	25.5	0.0035	197.5
R 10X0.5X36.5	10.0	0.50	36.5	0.0017	384.5
R 10X0.5X38	10.0	0.50	38.0	0.0016	410.0
R 10X0.5X47.5	10.0	0.50	47.5	0.0011	571.5
R 10X0.5X48	10.0	0.50	48.0	0.0011	580.0
R 10X0.5X58.5	10.0	0.50	58.5	0.0008	758.5
R 10X0.7X23.6	10.0	0.70	23.6	0.0225	88.7
R 10X0.7X40.4	10.0	0.70	40.4	0.0081	221.2
R 10X0.7X74	10.0	0.70	74.0	0.0036	486.2
R 10X0.7X84.4	10.0	0.70	84.4	0.0031	564.1
R 10X0.7X90.8	10.0	0.70	90.8	0.0028	618.7

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 10X0.8X22	10.0	0.80	22.0	0.0564	59.2
R 10X0.8X23	10.0	0.80	23.0	0.0510	64.1
R 10X0.8X25.4	10.0	0.80	25.4	0.0397	78.3
R 10X0.8X32	10.0	0.80	32.0	0.0238	120.2
R 10X0.8X34.8	10.0	0.80	34.8	0.0210	134.7
R 10X0.8X38	10.0	0.80	38.0	0.0182	153.6
R 10X0.8X40	10.0	0.80	40.0	0.0165	167.4
R 10X0.8X50	10.0	0.80	50.0	0.0120	224.4
R 10X0.8X57.2	10.0	0.80	57.2	0.0100	266.8
R 10X0.8X63	10.0	0.80	63.0	0.0089	300.1
R 10X0.8X63.5	10.0	0.80	63.5	0.0087	304.5
R 10X0.8X69.8	10.0	0.80	69.8	0.0077	342.1
R 10X0.8X70	10.0	0.80	70.0	0.0077	342.3
R 10X0.8X76.2	10.0	0.80	76.2	0.0069	379.9
R 10X0.8X80	10.0	0.80	80.0	0.0065	403.3
R 10X0.8X83	10.0	0.80	83.0	0.0063	418.0
R 10X0.8X85	10.0	0.80	85.0	0.0061	431.8
R 10X0.8X88.9	10.0	0.80	88.9	0.0057	455.3
R 10X0.8X89	10.0	0.80	89.0	0.0057	455.4
R 10X0.8X100	10.0	0.80	100.0	0.0050	521.2
R 10X0.8X101.6	10.0	0.80	101.6	0.0049	530.7
R 10X0.8X102	10.0	0.80	102.0	0.0049	531.1
R 10X0.8X114.3	10.0	0.80	114.3	0.0043	606.1
R 10X0.8X152	10.0	0.80	152.0	0.0031	827.9
R 10X0.8X290	10.0	0.80	290.0	0.0016	1639.9
R 10X0.8X360	10.0	0.80	360.0	0.0012	2054.8
R 10X0.85X50.8	10.0	0.85	50.8	0.0160	205.7
R 10X0.85X57.2	10.0	0.85	57.2	0.0137	237.0
R 10X0.85X70	10.0	0.85	70.0	0.0106	303.2
R 10X0.9X23	10.0	0.90	23.0	0.0934	53.9
R 10X0.9X28.4	10.0	0.90	28.4	0.0572	78.8
R 10X0.9X32	10.0	0.90	32.0	0.0455	95.4
R 10X0.9X36.5	10.0	0.90	36.5	0.0362	116.1
R 10X0.9X38	10.0	0.90	38.0	0.0335	124.1
R 10X0.9X38.1	10.0	0.90	38.1	0.0335	124.2
R 10X0.9X40	10.0	0.90	40.0	0.0311	132.6
R 10X0.9X44.4	10.0	0.90	44.4	0.0265	153.2
R 10X0.9X50	10.0	0.90	50.0	0.0225	178.3
R 10X0.9X50.8	10.0	0.90	50.8	0.0219	182.4
R 10X0.9X57.2	10.0	0.90	57.2	0.0187	211.5
R 10X0.9X63	10.0	0.90	63.0	0.0163	240.1

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 10X0.9X63.5	10.0	0.90	63.5	0.0163	240.6
R 10X0.9X68	10.0	0.90	68.0	0.0149	261.3
R 10X0.9X69.8	10.0	0.90	69.8	0.0144	269.6
R 10X0.9X70	10.0	0.90	70.0	0.0142	273.1
R 10X0.9X76	10.0	0.90	76.0	0.0129	298.6
R 10X0.9X76.2	10.0	0.90	76.2	0.0128	302.0
R 10X0.9X80	10.0	0.90	80.0	0.0121	318.8
R 10X0.9X100	10.0	0.90	100.0	0.0093	410.3
R 10X0.9X360	10.0	0.90	360.0	0.0023	1609.3
R 10X1X32	10.0	1.00	32.0	0.0755	82.6
R 10X1X40	10.0	1.00	40.0	0.0527	112.5
R 10X1X50	10.0	1.00	50.0	0.0383	149.9
R 10X1X60	10.0	1.00	60.0	0.0301	187.2
R 10X1X63	10.0	1.00	63.0	0.0282	198.4
R 10X1X80	10.0	1.00	80.0	0.0210	262.0
R 10X1X100	10.0	1.00	100.0	0.0162	336.7
R 10X1X115	10.0	1.00	115.0	0.0138	392.7
R 10X1X360	10.0	1.00	360.0	0.0040	1308.1
R 10X1.1X32	10.0	1.10	32.0	0.1282	70.5
R 10X1.1X40	10.0	1.10	40.0	0.0864	97.1
R 10X1.1X50	10.0	1.10	50.0	0.0632	128.1
R 10X1.1X63	10.0	1.10	63.0	0.0475	166.8
R 10X1.1X80	10.0	1.10	80.0	0.0350	221.1
R 10X1.1X100	10.0	1.10	100.0	0.0270	283.1
R 10X1.1X360	10.0	1.10	360.0	0.0067	1093.5
R 10X1.2X83	10.0	1.20	83.0	0.0530	200.4
R 10X1.25X32	10.0	1.25	32.0	0.2395	61.0
R 10X1.25X34.8	10.0	1.25	34.8	0.2122	67.5
R 10X1.25X38	10.0	1.25	38.0	0.1904	74.4
R 10X1.25X40	10.0	1.25	40.0	0.1727	80.2
R 10X1.25X47	10.0	1.25	47.0	0.1350	98.4
R 10X1.25X50	10.0	1.25	50.0	0.1259	105.1
R 10X1.25X50.8	10.0	1.25	50.8	0.1217	107.8
R 10X1.25X57.2	10.0	1.25	57.2	0.1046	123.5
R 10X1.25X59.5	10.0	1.25	59.5	0.0990	129.6
R 10X1.25X63	10.0	1.25	63.0	0.0940	136.8
R 10X1.25X63.5	10.0	1.25	63.5	0.0917	139.2
R 10X1.25X69.8	10.0	1.25	69.8	0.0816	154.8
R 10X1.25X70	10.0	1.25	70.0	0.0816	155.0
R 10X1.25X72	10.0	1.25	72.0	0.0782	160.7
R 10X1.25X80	10.0	1.25	80.0	0.0694	179.9

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 10X1.25X89	10.0	1.25	89.0	0.0614	202.0
R 10X1.25X97	10.0	1.25	97.0	0.0550	223.1
R 10X1.25X100	10.0	1.25	100.0	0.0534	229.8
R 10X1.25X360	10.0	1.25	360.0	0.0134	878.4
R 10X1.4X26.9	10.0	1.40	26.9	0.6477	41.3
R 10X1.4X32	10.0	1.40	32.0	0.4558	52.5
R 10X1.4X38	10.0	1.40	38.0	0.3516	64.6
R 10X1.4X38.1	10.0	1.40	38.1	0.3516	64.7
R 10X1.4X40	10.0	1.40	40.0	0.3155	69.7
R 10X1.4X44.4	10.0	1.40	44.4	0.2735	78.6
R 10X1.4X47.9	10.0	1.40	47.9	0.2511	85.2
R 10X1.4X50	10.0	1.40	50.0	0.2322	90.3
R 10X1.4X50.8	10.0	1.40	50.8	0.2237	92.6
R 10X1.4X57.2	10.0	1.40	57.2	0.1953	105.1
R 10X1.4X63	10.0	1.40	63.0	0.1733	117.0
R 10X1.4X63.5	10.0	1.40	63.5	0.1686	119.0
R 10X1.4X68.9	10.0	1.40	68.9	0.1558	129.0
R 10X1.4X69.8	10.0	1.40	69.8	0.1519	131.4
R 10X1.4X70	10.0	1.40	70.0	0.1519	131.6
R 10X1.4X80	10.0	1.40	80.0	0.1295	152.2
R 10X1.4X89	10.0	1.40	89.0	0.1129	171.9
R 10X1.4X96.9	10.0	1.40	96.9	0.1034	187.4
R 10X1.4X100	10.0	1.40	100.0	0.0984	195.1
R 10X1.4X290	10.0	1.40	290.0	0.0312	590.4
R 10X1.4X360	10.0	1.40	360.0	0.0249	736.5
R 10X1.5X218	10.0	1.50	218.0	0.0615	400.3
R 10X1.6X27	10.0	1.60	27.0	1.1857	38.2
R 10X1.6X31.8	10.0	1.60	31.8	0.9012	46.5
R 10X1.6X32	10.0	1.60	32.0	0.9012	46.7
R 10X1.6X33	10.0	1.60	33.0	0.9012	47.7
R 10X1.6X34.8	10.0	1.60	34.8	0.8344	50.7
R 10X1.6X38.1	10.0	1.60	38.1	0.6827	57.5
R 10X1.6X40	10.0	1.60	40.0	0.6437	60.6
R 10X1.6X43.5	10.0	1.60	43.5	0.5777	66.5
R 10X1.6X43.8	10.0	1.60	43.8	0.5777	66.8
R 10X1.6X50	10.0	1.60	50.0	0.4793	77.7
R 10X1.6X50.8	10.0	1.60	50.8	0.4793	78.5
R 10X1.6X57.2	10.0	1.60	57.2	0.4096	89.6
R 10X1.6X63	10.0	1.60	63.0	0.3576	100.1
R 10X1.6X63.5	10.0	1.60	63.5	0.3576	100.6
R 10X1.6X69.8	10.0	1.60	69.8	0.3173	111.6

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 10X1.6X73	10.0	1.60	73.0	0.3004	117.2
R 10X1.6X76	10.0	1.60	76.0	0.2852	122.5
R 10X1.6X76.2	10.0	1.60	76.2	0.2852	122.7
R 10X1.6X80	10.0	1.60	80.0	0.2650	130.1
R 10X1.6X83	10.0	1.60	83.0	0.2531	135.4
R 10X1.6X88.9	10.0	1.60	88.9	0.2371	144.9
R 10X1.6X95	10.0	1.60	95.0	0.2187	155.7
R 10X1.6X98	10.0	1.60	98.0	0.2106	161.0
R 10X1.6X100	10.0	1.60	100.0	0.2067	164.2
R 10X1.6X101.6	10.0	1.60	101.6	0.2030	167.0
R 10X1.6X112	10.0	1.60	112.0	0.1802	185.6
R 10X1.6X114.3	10.0	1.60	114.3	0.1774	189.1
R 10X1.6X115	10.0	1.60	115.0	0.1746	191.0
R 10X1.6X139.7	10.0	1.60	139.7	0.1417	233.4
R 10X1.6X149	10.0	1.60	149.0	0.1317	249.7
R 10X1.6X190	10.0	1.60	190.0	0.1019	320.2
R 10X1.6X215	10.0	1.60	215.0	0.0890	364.0
R 10X1.6X229	10.0	1.60	229.0	0.0831	388.6
R 10X1.6X360	10.0	1.60	360.0	0.0518	616.2
R 10X2X29.6	10.0	2.00	29.6	3.3512	36.6
R 10X2X31.6	10.0	2.00	31.6	3.0320	39.3
R 10X2X41.6	10.0	2.00	41.6	2.0539	53.0
R 10X2X43.6	10.0	2.00	43.6	1.9295	55.8
R 10X2X57.6	10.0	2.00	57.6	1.3547	74.9
R 10X2X61.6	10.0	2.00	61.6	1.2485	80.4
R 10.3X1.6X81	10.3	1.60	81.0	0.2386	135.4
R 10.4X0.9X115	10.4	0.90	115.0	0.0070	513.8
R 10.5X0.8X38	10.5	0.80	38.0	0.0160	163.6
R 10.5X0.8X70	10.5	0.80	70.0	0.0067	371.9
R 10.5X0.8X76	10.5	0.80	76.0	0.0060	413.2
R 10.6X0.9X25	10.6	0.90	25.0	0.0637	68.1
R 10.6X0.9X29	10.6	0.90	29.0	0.0472	87.1
R 10.6X0.9X35	10.6	0.90	35.0	0.0325	119.3
R 10.6X0.9X38	10.6	0.90	38.0	0.0287	133.5
R 10.6X0.9X45	10.6	0.90	45.0	0.0219	170.5
R 10.6X0.9X50	10.6	0.90	50.0	0.0190	194.2
R 10.6X0.9X57	10.6	0.90	57.0	0.0158	231.2
R 10.6X0.9X64	10.6	0.90	64.0	0.0134	268.2
R 10.6X0.9X70	10.6	0.90	70.0	0.0119	300.4
R 10.6X0.9X76	10.6	0.90	76.0	0.0109	328.9
R 10.6X1.12X25	10.6	1.12	25.0	0.1981	49.9

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 10.6X1.12X29	10.6	1.12	29.0	0.1505	61.8
R 10.6X1.12X32	10.6	1.12	32.0	0.1214	72.6
R 10.6X1.12X35	10.6	1.12	35.0	0.1017	83.5
R 10.6X1.12X38	10.6	1.12	38.0	0.0918	91.7
R 10.6X1.12X45	10.6	1.12	45.0	0.0684	117.1
R 10.6X1.12X57	10.6	1.12	57.0	0.0502	155.3
R 10.6X1.12X70	10.6	1.12	70.0	0.0380	199.7
R 10.6X1.12X76	10.6	1.12	76.0	0.0345	218.9
R 10.7X0.9X25.4	10.7	0.90	25.4	0.0618	69.5
R 10.7X0.9X28.4	10.7	0.90	28.4	0.0490	84.0
R 10.7X0.9X31.8	10.7	0.90	31.8	0.0384	102.7
R 10.7X0.9X34.8	10.7	0.90	34.8	0.0330	117.2
R 10.7X0.9X38.1	10.7	0.90	38.1	0.0279	135.8
R 10.7X0.9X44.4	10.7	0.90	44.4	0.0219	169.0
R 10.7X0.9X50.8	10.7	0.90	50.8	0.0180	202.2
R 10.7X0.9X57.2	10.7	0.90	57.2	0.0153	235.4
R 10.7X0.9X63.5	10.7	0.90	63.5	0.0133	268.6
R 10.7X0.9X69.8	10.7	0.90	69.8	0.0117	301.7
R 10.7X0.9X76.2	10.7	0.90	76.2	0.0105	334.9
R 10.7X0.9X111	10.7	0.90	111.0	0.0067	519.2
R 10.7X1.1X25.4	10.7	1.10	25.4	0.1775	51.7
R 10.7X1.1X28.4	10.7	1.10	28.4	0.1349	63.0
R 10.7X1.1X31.8	10.7	1.10	31.8	0.1088	74.7
R 10.7X1.1X34.8	10.7	1.10	34.8	0.0911	86.0
R 10.7X1.1X38.1	10.7	1.10	38.1	0.0784	97.6
R 10.7X1.1X44.4	10.7	1.10	44.4	0.0613	120.5
R 10.7X1.1X50.8	10.7	1.10	50.8	0.0519	140.7
R 10.7X1.1X57.2	10.7	1.10	57.2	0.0438	163.7
R 10.7X1.1X63.5	10.7	1.10	63.5	0.0379	186.6
R 10.7X1.1X69.8	10.7	1.10	69.8	0.0334	209.5
R 10.7X1.1X76.2	10.7	1.10	76.2	0.0304	229.7
R 10.7X1.2X25	10.7	1.20	25.0	0.2899	45.3
R 10.7X1.4X25	10.7	1.40	25.0	0.6487	38.7
R 10.7X1.4X25.4	10.7	1.40	25.4	0.5724	40.9
R 10.7X1.4X28.4	10.7	1.40	28.4	0.4634	47.5
R 10.7X1.4X29	10.7	1.40	29.0	0.4634	48.1
R 10.7X1.4X31.8	10.7	1.40	31.8	0.3892	54.6
R 10.7X1.4X32	10.7	1.40	32.0	0.3892	54.8
R 10.7X1.4X34.8	10.7	1.40	34.8	0.3356	61.2
R 10.7X1.4X35	10.7	1.40	35.0	0.3356	61.4
R 10.7X1.4X38	10.7	1.40	38.0	0.2780	69.9

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 10.7X1.4X38.1	10.7	1.40	38.1	0.2780	70.0
R 10.7X1.4X44.4	10.7	1.40	44.4	0.2263	83.6
R 10.7X1.4X45	10.7	1.40	45.0	0.2162	86.0
R 10.7X1.4X50	10.7	1.40	50.0	0.1908	96.4
R 10.7X1.4X50.8	10.7	1.40	50.8	0.1836	99.1
R 10.7X1.4X57	10.7	1.40	57.0	0.1595	112.5
R 10.7X1.4X57.2	10.7	1.40	57.2	0.1595	112.7
R 10.7X1.4X63.5	10.7	1.40	63.5	0.1371	128.2
R 10.7X1.4X64	10.7	1.40	64.0	0.1371	128.7
R 10.7X1.4X69.8	10.7	1.40	69.8	0.1232	141.7
R 10.7X1.4X70	10.7	1.40	70.0	0.1232	141.9
R 10.7X1.4X76	10.7	1.40	76.0	0.1093	157.0
R 10.7X1.4X76.2	10.7	1.40	76.2	0.1093	157.2
R 10.7X1.4X98	10.7	1.40	98.0	0.0818	206.4
R 10.7X1.6X65	10.7	1.60	65.0	0.2726	111.2
R 10.8X0.8X25.1	10.8	0.80	25.1	0.0363	79.3
R 10.8X0.8X35.5	10.8	0.80	35.5	0.0170	151.0
R 10.8X0.8X47.5	10.8	0.80	47.5	0.0106	233.8
R 10.8X0.8X58.7	10.8	0.80	58.7	0.0078	311.0
R 10.8X0.8X80	10.8	0.80	80.0	0.0052	459.6
R 10.8X0.8X200	10.8	0.80	200.0	0.0018	1287.0
R 11X0.7X63	11.0	0.70	63.0	0.0033	471.1
R 11X0.9X63	11.0	0.90	63.0	0.0124	278.2
R 11X0.9X115	11.0	0.90	115.0	0.0059	568.0
R 11X1X25.4	11.0	1.00	25.4	0.0970	61.8
R 11X1X27.4	11.0	1.00	27.4	0.0815	70.7
R 11X1X31.4	11.0	1.00	31.4	0.0617	88.6
R 11X1X34.8	11.0	1.00	34.8	0.0522	102.3
R 11X1X38.1	11.0	1.00	38.1	0.0453	116.0
R 11X1X40.4	11.0	1.00	40.4	0.0400	128.7
R 11X1X44.4	11.0	1.00	44.4	0.0345	146.6
R 11X1X50.8	11.0	1.00	50.8	0.0287	173.8
R 11X1X55.4	11.0	1.00	55.4	0.0252	195.7
R 11X1X57.2	11.0	1.00	57.2	0.0245	201.0
R 11X1X62.4	11.0	1.00	62.4	0.0214	226.9
R 11X1X69.4	11.0	1.00	69.4	0.0187	258.2
R 11X1X70	11.0	1.00	70.0	0.0187	258.8
R 11X1X75.4	11.0	1.00	75.4	0.0168	285.0
R 11X1X76.2	11.0	1.00	76.2	0.0168	285.8
R 11X1X77.4	11.0	1.00	77.4	0.0163	293.9
R 11X1X85.4	11.0	1.00	85.4	0.0145	329.6

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 11X1X88.9	11.0	1.00	88.9	0.0139	343.5
R 11X1X89	11.0	1.00	89.0	0.0139	343.6
R 11X1X93.4	11.0	1.00	93.4	0.0130	365.3
R 11X1X101.6	11.0	1.00	101.6	0.0118	401.2
R 11X1X102	11.0	1.00	102.0	0.0118	401.6
R 11X1X114.3	11.0	1.00	114.3	0.0103	455.5
R 11X1.25X31.8	11.0	1.25	31.8	0.1988	64.1
R 11X1.25X34.8	11.0	1.25	34.8	0.1731	71.8
R 11X1.25X38	11.0	1.25	38.0	0.1451	82.2
R 11X1.25X38.1	11.0	1.25	38.1	0.1451	82.3
R 11X1.25X50.8	11.0	1.25	50.8	0.0942	118.9
R 11X1.25X57.2	11.0	1.25	57.2	0.0801	137.2
R 11X1.25X63.5	11.0	1.25	63.5	0.0697	155.5
R 11X1.25X69.8	11.0	1.25	69.8	0.0617	173.7
R 11X1.25X70	11.0	1.25	70.0	0.0603	176.3
R 11X1.25X76	11.0	1.25	76.0	0.0553	191.9
R 11X1.25X76.2	11.0	1.25	76.2	0.0542	194.5
R 11X1.4X22.1	11.0	1.40	22.1	0.8043	32.9
R 11X1.4X63	11.0	1.40	63.0	0.1282	130.6
R 11X1.4X88.9	11.0	1.40	88.9	0.0827	193.7
R 11X1.6X30.1	11.0	1.60	30.1	0.7656	46.2
R 11X1.6X39.7	11.0	1.60	39.7	0.4872	65.0
R 11X1.6X54.1	11.0	1.60	54.1	0.3152	93.2
R 11X1.6X78.1	11.0	1.60	78.1	0.1985	140.2
R 11X1.6X89	11.0	1.60	89.0	0.1729	160.3
R 11X2.2X34.8	11.0	2.20	34.8	3.3352	43.2
R 11X2.2X48	11.0	2.20	48.0	2.1224	61.1
R 11X2.2X67.8	11.0	2.20	67.8	1.3733	88.1
R 11X2.2X101	11.0	2.20	101.0	0.8647	133.3
R 11X2.2X145	11.0	2.20	145.0	0.5788	193.2
R 11.1X0.7X38	11.1	0.70	38.0	0.0069	232.6
R 11.1X0.7X40	11.1	0.70	40.0	0.0065	246.9
R 11.1X0.7X45	11.1	0.70	45.0	0.0052	301.4
R 11.1X0.7X48	11.1	0.70	48.0	0.0048	329.1
R 11.1X0.7X60	11.1	0.70	60.0	0.0035	446.1
R 11.1X0.7X64	11.1	0.70	64.0	0.0032	487.1
R 11.1X0.7X80	11.1	0.70	80.0	0.0024	645.2
R 11.1X0.7X100	11.1	0.70	100.0	0.0018	838.2
R 11.1X0.7X200	11.1	0.70	200.0	0.0008	1821.6
R 11.1X0.85X70	11.1	0.85	70.0	0.0078	361.0
R 11.1X0.9X25	11.1	0.90	25.0	0.0600	69.0

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 11.1X0.9X29	11.1	0.90	29.0	0.0434	89.8
R 11.1X0.9X32	11.1	0.90	32.0	0.0340	109.5
R 11.1X0.9X35	11.1	0.90	35.0	0.0293	125.1
R 11.1X0.9X38	11.1	0.90	38.0	0.0257	140.7
R 11.1X0.9X60	11.1	0.90	60.0	0.0127	267.4
R 11.1X0.9X80	11.1	0.90	80.0	0.0088	379.6
R 11.1X0.9X100	11.1	0.90	100.0	0.0067	491.8
R 11.1X0.9X300	11.1	0.90	300.0	0.0020	1622.0
R 11.1X1X38	11.1	1.00	38.0	0.0439	117.7
R 11.1X1X50	11.1	1.00	50.0	0.0287	172.2
R 11.1X1X60	11.1	1.00	60.0	0.0222	217.6
R 11.1X1X76	11.1	1.00	76.0	0.0163	290.3
R 11.1X1X80	11.1	1.00	80.0	0.0153	308.4
R 11.1X1X100	11.1	1.00	100.0	0.0117	399.3
R 11.1X1X115	11.1	1.00	115.0	0.0099	467.4
R 11.1X1X200	11.1	1.00	200.0	0.0054	853.5
R 11.1X1X260	11.1	1.00	260.0	0.0040	1126.0
R 11.1X1.1X31	11.1	1.10	31.0	0.1029	75.0
R 11.1X1.1X32	11.1	1.10	32.0	0.0962	79.0
R 11.1X1.1X100	11.1	1.10	100.0	0.0195	331.9
R 11.1X1.1X200	11.1	1.10	200.0	0.0089	707.8
R 11.1X1.12X42	11.1	1.12	42.0	0.0686	111.1
R 11.1X1.2X40	11.1	1.20	40.0	0.1062	93.7
R 11.1X1.2X48	11.1	1.20	48.0	0.0792	120.1
R 11.1X1.2X60	11.1	1.20	60.0	0.0581	158.3
R 11.1X1.2X64	11.1	1.20	64.0	0.0538	170.2
R 11.1X1.2X67	11.1	1.20	67.0	0.0500	181.0
R 11.1X1.2X75	11.1	1.20	75.0	0.0440	204.7
R 11.1X1.2X80	11.1	1.20	80.0	0.0399	222.8
R 11.1X1.2X89	11.1	1.20	89.0	0.0354	250.2
R 11.1X1.2X100	11.1	1.20	100.0	0.0309	284.8
R 11.1X1.2X110	11.1	1.20	110.0	0.0274	318.4
R 11.1X1.2X113	11.1	1.20	113.0	0.0267	326.6
R 11.1X1.2X120	11.1	1.20	120.0	0.0249	349.3
R 11.1X1.2X140	11.1	1.20	140.0	0.0208	413.9
R 11.1X1.2X160	11.1	1.20	160.0	0.0181	475.8
R 11.1X1.2X215	11.1	1.20	215.0	0.0131	651.4
R 11.1X1.2X300	11.1	1.20	300.0	0.0092	922.5
R 11.1X1.25X40	11.1	1.25	40.0	0.1335	87.7
R 11.1X1.25X50	11.1	1.25	50.0	0.0946	117.2
R 11.1X1.25X89	11.1	1.25	89.0	0.0437	234.5

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 11.1X1.25X220	11.1	1.25	220.0	0.0159	619.7
R 11.1X1.3X98	11.1	1.30	98.0	0.0487	243.1
R 11.1X1.4X22	11.1	1.40	22.0	0.7797	33.0
R 11.1X1.4X25	11.1	1.40	25.0	0.5717	40.0
R 11.1X1.4X29	11.1	1.40	29.0	0.4084	50.1
R 11.1X1.4X32	11.1	1.40	32.0	0.3430	57.1
R 11.1X1.4X35	11.1	1.40	35.0	0.2957	64.1
R 11.1X1.4X38	11.1	1.40	38.0	0.2599	71.1
R 11.1X1.4X40	11.1	1.40	40.0	0.2318	77.1
R 11.1X1.4X41	11.1	1.40	41.0	0.2318	78.1
R 11.1X1.4X45	11.1	1.40	45.0	0.1994	88.1
R 11.1X1.4X50	11.1	1.40	50.0	0.1682	101.1
R 11.1X1.4X57	11.1	1.40	57.0	0.1406	118.2
R 11.1X1.4X60	11.1	1.40	60.0	0.1319	125.2
R 11.1X1.4X64	11.1	1.40	64.0	0.1208	135.2
R 11.1X1.4X70	11.1	1.40	70.0	0.1086	149.2
R 11.1X1.4X73	11.1	1.40	73.0	0.1033	156.2
R 11.1X1.4X76	11.1	1.40	76.0	0.0986	163.2
R 11.1X1.4X80	11.1	1.40	80.0	0.0922	173.3
R 11.1X1.4X85	11.1	1.40	85.0	0.0849	186.3
R 11.1X1.4X89	11.1	1.40	89.0	0.0802	196.3
R 11.1X1.4X100	11.1	1.40	100.0	0.0709	221.3
R 11.1X1.4X102	11.1	1.40	102.0	0.0686	227.3
R 11.1X1.4X120	11.1	1.40	120.0	0.0568	271.4
R 11.1X1.4X140	11.1	1.40	140.0	0.0479	319.5
R 11.1X1.4X148	11.1	1.40	148.0	0.0449	339.5
R 11.1X1.4X160	11.1	1.40	160.0	0.0414	367.6
R 11.1X1.4X180	11.1	1.40	180.0	0.0362	417.7
R 11.1X1.4X190	11.1	1.40	190.0	0.0342	441.7
R 11.1X1.4X200	11.1	1.40	200.0	0.0324	465.7
R 11.1X1.4X203	11.1	1.40	203.0	0.0319	472.7
R 11.1X1.4X215	11.1	1.40	215.0	0.0299	502.8
R 11.1X1.4X220	11.1	1.40	220.0	0.0293	513.8
R 11.1X1.5X85	11.1	1.50	85.0	0.1227	169.1
R 11.1X1.6X40	11.1	1.60	40.0	0.4719	65.9
R 11.1X1.6X45	11.1	1.60	45.0	0.3993	75.6
R 11.1X1.6X50	11.1	1.60	50.0	0.3461	85.3
R 11.1X1.6X53	11.1	1.60	53.0	0.3178	91.5
R 11.1X1.6X57	11.1	1.60	57.0	0.2939	98.6
R 11.1X1.6X60	11.1	1.60	60.0	0.2732	104.8
R 11.1X1.6X64	11.1	1.60	64.0	0.2472	113.5

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 11.1X1.6X80	11.1	1.60	80.0	0.1876	145.2
R 11.1X1.6X85	11.1	1.60	85.0	0.1750	154.9
R 11.1X1.6X100	11.1	1.60	100.0	0.1456	184.0
R 11.1X1.6X120	11.1	1.60	120.0	0.1171	224.4
R 11.1X1.6X140	11.1	1.60	140.0	0.0992	263.3
R 11.1X1.6X148	11.1	1.60	148.0	0.0933	279.1
R 11.1X1.6X152	11.1	1.60	152.0	0.0900	287.9
R 11.1X1.6X178	11.1	1.60	178.0	0.0760	339.0
R 11.1X1.6X220	11.1	1.60	220.0	0.0606	421.8
R 11.1X1.6X241	11.1	1.60	241.0	0.0550	463.2
R 11.1X1.6X300	11.1	1.60	300.0	0.0436	580.3
R 11.1X1.8X40	11.1	1.80	40.0	0.9169	58.1
R 11.1X1.8X78	11.1	1.80	78.0	0.3745	122.4
R 11.1X1.8X80	11.1	1.80	80.0	0.3643	125.6
R 11.1X1.8X120	11.1	1.80	120.0	0.2235	194.4
R 11.1X1.8X215	11.1	1.80	215.0	0.1192	354.4
R 11.1X1.9X31	11.1	1.90	31.0	1.7947	41.6
R 11.2X1.25X30.2	11.2	1.25	30.2	0.2020	61.5
R 11.2X1.25X40	11.2	1.25	40.0	0.1295	88.8
R 11.2X1.25X46.5	11.2	1.25	46.5	0.0990	110.3
R 11.2X1.25X61.2	11.2	1.25	61.2	0.0692	152.5
R 11.2X1.25X74	11.2	1.25	74.0	0.0532	192.8
R 11.2X1.25X82.7	11.2	1.25	82.7	0.0463	219.0
R 11.2X1.25X92.7	11.2	1.25	92.7	0.0404	249.0
R 11.2X1.25X102	11.2	1.25	102.0	0.0363	275.8
R 11.2X1.25X112	11.2	1.25	112.0	0.0326	305.9
R 11.2X1.25X220	11.2	1.25	220.0	0.0154	629.0
R 11.2X1.25X300	11.2	1.25	300.0	0.0111	869.1
R 11.3X1.3X134	11.3	1.30	134.0	0.0318	352.9
R 11.5X0.8X30	11.5	0.80	30.0	0.0206	120.4
R 11.5X1.25X98	11.5	1.25	98.0	0.0353	273.2
R 11.5X1.4X31.8	11.5	1.40	31.8	0.3303	57.1
R 11.5X1.4X34.8	11.5	1.40	34.8	0.2814	64.5
R 11.5X1.6X38	11.5	1.60	38.0	0.4745	63.1
R 11.6X1.2X172	11.6	1.20	172.0	0.0144	554.2
R 11.6X1.6X34.2	11.6	1.60	34.2	0.5806	54.5
R 11.6X1.6X55	11.6	1.60	55.0	0.2725	98.3
R 11.6X1.6X60	11.6	1.60	60.0	0.2343	110.4
R 11.6X1.6X79	11.6	1.60	79.0	0.1690	148.9
R 11.6X1.6X93.6	11.6	1.60	93.6	0.1349	181.1
R 11.6X1.6X104	11.6	1.60	104.0	0.1203	202.1

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 11.6X1.6X117	11.6	1.60	117.0	0.1051	229.3
R 11.6X1.6X130	11.6	1.60	130.0	0.0934	256.4
R 11.6X1.6X143	11.6	1.60	143.0	0.0840	283.6
R 11.6X1.6X220	11.6	1.60	220.0	0.0520	447.2
R 11.6X1.6X300	11.6	1.60	300.0	0.0374	615.7
R 11.8X1X115	11.8	1.00	115.0	0.0082	520.1
R 11.8X1.8X120	11.8	1.80	120.0	0.1828	206.7
R 11.8X2X60	11.8	2.00	60.0	0.7697	87.1
R 11.9X1.6X40	11.9	1.60	40.0	0.3942	69.3
R 11.9X1.6X87	11.9	1.60	87.0	0.1373	171.2
R 11.9X1.6X133	11.9	1.60	133.0	0.0831	272.1
R 12X1.1X27.8	12.0	1.10	27.8	0.1097	66.4
R 12X1.1X34.4	12.0	1.10	34.4	0.0698	95.1
R 12X1.1X44.3	12.0	1.10	44.3	0.0452	138.1
R 12X1.1X60.8	12.0	1.10	60.8	0.0284	209.7
R 12X1.1X80.8	12.0	1.10	80.8	0.0197	295.9
R 12X1.1X82.8	12.0	1.10	82.8	0.0190	305.2
R 12X1.5X36.5	12.0	1.50	36.5	0.3300	65.9
R 12X1.5X57.5	12.0	1.50	57.5	0.1620	117.3
R 12X1.5X66.5	12.0	1.50	66.5	0.1330	139.3
R 12X1.5X77	12.0	1.50	77.0	0.1100	165.1
R 12X1.5X86	12.0	1.50	86.0	0.0958	187.1
R 12X1.5X96.5	12.0	1.50	96.5	0.0833	212.8
R 12X1.5X108.5	12.0	1.50	108.5	0.0724	242.2
R 12X1.5X120.5	12.0	1.50	120.5	0.0641	271.6
R 12X1.8X33.2	12.0	1.80	33.2	1.0608	48.0
R 12X1.8X44	12.0	1.80	44.0	0.6502	68.1
R 12X1.8X60.2	12.0	1.80	60.2	0.4113	98.2
R 12X1.8X87.2	12.0	1.80	87.2	0.2551	148.5
R 12X1.8X123	12.0	1.80	123.0	0.1694	215.4
R 12X1.8X290	12.0	1.80	290.0	0.0661	526.8
R 12X2X38.3	12.0	2.00	38.3	1.4174	52.8
R 12X2X54.8	12.0	2.00	54.8	0.7951	80.7
R 12X2X66.8	12.0	2.00	66.8	0.6151	100.2
R 12X2X94.8	12.0	2.00	94.8	0.4025	145.9
R 12X2X96.8	12.0	2.00	96.8	0.3928	149.2
R 12X2X108	12.0	2.00	108.0	0.3505	166.7
R 12X2X122	12.0	2.00	122.0	0.3047	189.5
R 12X2X126	12.0	2.00	126.0	0.2937	196.0
R 12X2X138	12.0	2.00	138.0	0.2650	215.6
R 12X2X154.8	12.0	2.00	154.8	0.2312	243.8

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 12X2X170	12.0	2.00	170.0	0.2103	267.8
R 12.2X1.75X31.8	12.2	1.75	31.8	0.8813	48.1
R 12.2X1.75X34.8	12.2	1.75	34.8	0.7974	52.8
R 12.2X1.8X80	12.2	1.80	80.0	0.2678	137.7
R 12.3X1.2X146	12.3	1.20	146.0	0.0144	510.4
R 12.5X0.75X38	12.5	0.75	38.0	0.0075	233.2
R 12.5X0.85X25.4	12.5	0.85	25.4	0.0396	77.2
R 12.5X0.85X28.4	12.5	0.85	28.4	0.0269	104.5
R 12.5X0.9X25.4	12.5	0.90	25.4	0.0504	72.8
R 12.5X0.9X28.4	12.5	0.90	28.4	0.0372	92.5
R 12.5X0.9X36	12.5	0.90	36.0	0.0220	144.7
R 12.5X0.9X40	12.5	0.90	40.0	0.0175	176.6
R 12.5X0.9X43	12.5	0.90	43.0	0.0156	196.3
R 12.5X0.9X50	12.5	0.90	50.0	0.0121	247.9
R 12.5X0.9X63	12.5	0.90	63.0	0.0087	339.0
R 12.5X0.9X80	12.5	0.90	80.0	0.0063	461.9
R 12.5X0.9X100	12.5	0.90	100.0	0.0047	610.2
R 12.5X0.9X125	12.5	0.90	125.0	0.0036	785.7
R 12.5X0.9X360	12.5	0.90	360.0	0.0011	2476.1
R 12.5X1X25.4	12.5	1.00	25.4	0.0893	60.9
R 12.5X1X28.4	12.5	1.00	28.4	0.0638	78.1
R 12.5X1X40	12.5	1.00	40.0	0.0298	146.4
R 12.5X1X50	12.5	1.00	50.0	0.0206	203.7
R 12.5X1X63	12.5	1.00	63.0	0.0147	278.2
R 12.5X1X80	12.5	1.00	80.0	0.0107	375.6
R 12.5X1X100	12.5	1.00	100.0	0.0081	490.2
R 12.5X1X125	12.5	1.00	125.0	0.0062	633.4
R 12.5X1X360	12.5	1.00	360.0	0.0020	1979.9
R 12.5X1.1X25.4	12.5	1.10	25.4	0.1342	55.9
R 12.5X1.1X28.4	12.5	1.10	28.4	0.1060	67.0
R 12.5X1.1X36	12.5	1.10	36.0	0.0610	103.1
R 12.5X1.1X38	12.5	1.10	38.0	0.0544	113.2
R 12.5X1.1X40	12.5	1.10	40.0	0.0491	123.3
R 12.5X1.1X50	12.5	1.10	50.0	0.0341	169.9
R 12.5X1.1X63	12.5	1.10	63.0	0.0243	231.7
R 12.5X1.1X80	12.5	1.10	80.0	0.0178	309.6
R 12.5X1.1X100	12.5	1.10	100.0	0.0135	402.8
R 12.5X1.1X125	12.5	1.10	125.0	0.0103	521.2
R 12.5X1.1X360	12.5	1.10	360.0	0.0032	1625.9
R 12.5X1.12X33	12.5	1.12	33.0	0.0806	86.3
R 12.5X1.25X25.4	12.5	1.25	25.4	0.2687	46.8

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 12.5X1.25X27	12.5	1.25	27.0	0.2329	51.7
R 12.5X1.25X28.4	12.5	1.25	28.4	0.2055	56.4
R 12.5X1.25X40	12.5	1.25	40.0	0.0944	101.0
R 12.5X1.25X50	12.5	1.25	50.0	0.0659	137.4
R 12.5X1.25X63	12.5	1.25	63.0	0.0479	183.4
R 12.5X1.25X80	12.5	1.25	80.0	0.0346	246.6
R 12.5X1.25X100	12.5	1.25	100.0	0.0263	319.3
R 12.5X1.25X125	12.5	1.25	125.0	0.0202	410.3
R 12.5X1.25X360	12.5	1.25	360.0	0.0064	1265.4
R 12.5X1.4X25.4	12.5	1.40	25.4	0.4402	43.1
R 12.5X1.4X28.4	12.5	1.40	28.4	0.3367	51.6
R 12.5X1.4X40	12.5	1.40	40.0	0.1734	85.0
R 12.5X1.4X50	12.5	1.40	50.0	0.1218	114.0
R 12.5X1.4X63	12.5	1.40	63.0	0.0881	151.5
R 12.5X1.4X80	12.5	1.40	80.0	0.0629	204.0
R 12.5X1.4X100	12.5	1.40	100.0	0.0481	262.1
R 12.5X1.4X125	12.5	1.40	125.0	0.0369	336.1
R 12.5X1.4X360	12.5	1.40	360.0	0.0117	1028.9
R 12.5X1.5X25.4	12.5	1.50	25.4	0.7045	38.7
R 12.5X1.5X28.4	12.5	1.50	28.4	0.5166	46.5
R 12.5X1.5X31.8	12.5	1.50	31.8	0.3690	57.2
R 12.5X1.5X34.8	12.5	1.50	34.8	0.3100	65.0
R 12.5X1.6X40	12.5	1.60	40.0	0.3555	71.3
R 12.5X1.6X50	12.5	1.60	50.0	0.2515	94.2
R 12.5X1.6X63	12.5	1.60	63.0	0.1748	126.6
R 12.5X1.6X80	12.5	1.60	80.0	0.1305	165.1
R 12.5X1.6X100	12.5	1.60	100.0	0.0982	213.2
R 12.5X1.6X125	12.5	1.60	125.0	0.0764	270.5
R 12.5X1.6X360	12.5	1.60	360.0	0.0240	822.4
R 12.5X1.8X40	12.5	1.80	40.0	0.6467	63.4
R 12.5X1.8X50	12.5	1.80	50.0	0.4719	82.1
R 12.5X1.8X63	12.5	1.80	63.0	0.3294	109.0
R 12.5X1.8X80	12.5	1.80	80.0	0.2459	141.6
R 12.5X1.8X100	12.5	1.80	100.0	0.1877	180.7
R 12.5X1.8X125	12.5	1.80	125.0	0.1443	230.0
R 12.5X1.8X360	12.5	1.80	360.0	0.0456	692.4
R 12.5X1.9X48	12.5	1.90	48.0	0.6756	73.8
R 12.6X1.8X28.4	12.6	1.80	28.4	1.3061	39.9
R 12.6X2X29.6	12.6	2.00	29.6	2.1055	39.0
R 12.7X0.75X25	12.7	0.75	25.0	0.0222	90.0
R 12.7X0.85X31.8	12.7	0.85	31.8	0.0206	129.8

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 12.7X0.85X32	12.7	0.85	32.0	0.0206	130.0
R 12.7X0.85X34.8	12.7	0.85	34.8	0.0164	158.1
R 12.7X0.85X35	12.7	0.85	35.0	0.0164	158.3
R 12.7X0.85X38	12.7	0.85	38.0	0.0136	186.6
R 12.7X0.85X38.1	12.7	0.85	38.1	0.0136	186.7
R 12.7X0.85X44.4	12.7	0.85	44.4	0.0105	237.3
R 12.7X0.85X45	12.7	0.85	45.0	0.0101	244.2
R 12.7X0.85X50	12.7	0.85	50.0	0.0085	287.1
R 12.7X0.85X50.8	12.7	0.85	50.8	0.0083	294.2
R 12.7X0.85X57	12.7	0.85	57.0	0.0070	344.7
R 12.7X0.85X57.2	12.7	0.85	57.2	0.0070	344.9
R 12.7X0.9X31.8	12.7	0.90	31.8	0.0281	115.8
R 12.7X0.9X32	12.7	0.90	32.0	0.0262	121.8
R 12.7X0.9X34.8	12.7	0.90	34.8	0.0220	141.9
R 12.7X0.9X35	12.7	0.90	35.0	0.0220	142.1
R 12.7X0.9X38	12.7	0.90	38.0	0.0189	162.5
R 12.7X0.9X38.1	12.7	0.90	38.1	0.0189	162.6
R 12.7X0.9X41	12.7	0.90	41.0	0.0160	188.7
R 12.7X0.9X44.4	12.7	0.90	44.4	0.0143	209.4
R 12.7X0.9X45	12.7	0.90	45.0	0.0138	215.8
R 12.7X0.9X50	12.7	0.90	50.0	0.0115	255.6
R 12.7X0.9X50.8	12.7	0.90	50.8	0.0111	262.2
R 12.7X0.9X57	12.7	0.90	57.0	0.0096	303.1
R 12.7X0.9X57.2	12.7	0.90	57.2	0.0094	309.1
R 12.7X0.9X63.5	12.7	0.90	63.5	0.0081	355.9
R 12.7X0.9X64	12.7	0.90	64.0	0.0081	356.4
R 12.7X0.9X69.8	12.7	0.90	69.8	0.0071	402.8
R 12.7X0.9X70	12.7	0.90	70.0	0.0071	403.0
R 12.7X0.9X76	12.7	0.90	76.0	0.0063	449.5
R 12.7X0.9X76.2	12.7	0.90	76.2	0.0063	449.7
R 12.7X0.9X88.9	12.7	0.90	88.9	0.0052	543.5
R 12.7X0.9X89	12.7	0.90	89.0	0.0052	543.6
R 12.7X0.9X101.6	12.7	0.90	101.6	0.0044	637.3
R 12.7X0.9X102	12.7	0.90	102.0	0.0044	637.7
R 12.7X0.9X114.3	12.7	0.90	114.3	0.0038	731.0
R 12.7X0.9X115	12.7	0.90	115.0	0.0038	737.6
R 12.7X0.9X127	12.7	0.90	127.0	0.0034	824.8
R 12.7X1X31.8	12.7	1.00	31.8	0.0471	98.1
R 12.7X1X32	12.7	1.00	32.0	0.0471	98.3
R 12.7X1X34.8	12.7	1.00	34.8	0.0386	115.9
R 12.7X1X35	12.7	1.00	35.0	0.0386	116.1

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 12.7X1X38	12.7	1.00	38.0	0.0326	133.8
R 12.7X1X38.1	12.7	1.00	38.1	0.0326	133.9
R 12.7X1X41	12.7	1.00	41.0	0.0283	151.6
R 12.7X1X44.4	12.7	1.00	44.4	0.0240	174.6
R 12.7X1X45	12.7	1.00	45.0	0.0240	175.2
R 12.7X1X48	12.7	1.00	48.0	0.0216	193.0
R 12.7X1X50	12.7	1.00	50.0	0.0202	204.8
R 12.7X1X50.8	12.7	1.00	50.8	0.0196	210.5
R 12.7X1X57	12.7	1.00	57.0	0.0165	246.2
R 12.7X1X57.2	12.7	1.00	57.2	0.0161	251.3
R 12.7X1X59	12.7	1.00	59.0	0.0157	258.0
R 12.7X1X63.5	12.7	1.00	63.5	0.0140	287.1
R 12.7X1X64	12.7	1.00	64.0	0.0140	287.6
R 12.7X1X69.8	12.7	1.00	69.8	0.0124	322.9
R 12.7X1X70	12.7	1.00	70.0	0.0124	323.1
R 12.7X1X76	12.7	1.00	76.0	0.0111	358.6
R 12.7X1X76.2	12.7	1.00	76.2	0.0109	363.7
R 12.7X1X88.9	12.7	1.00	88.9	0.0090	435.4
R 12.7X1X89	12.7	1.00	89.0	0.0090	435.5
R 12.7X1X101.6	12.7	1.00	101.6	0.0076	512.0
R 12.7X1X102	12.7	1.00	102.0	0.0076	512.4
R 12.7X1X114.3	12.7	1.00	114.3	0.0066	588.6
R 12.7X1X115	12.7	1.00	115.0	0.0066	589.3
R 12.7X1X127	12.7	1.00	127.0	0.0059	660.2
R 12.7X1.1X31.8	12.7	1.10	31.8	0.0764	84.6
R 12.7X1.1X34.8	12.7	1.10	34.8	0.0617	100.3
R 12.7X1.1X38.1	12.7	1.10	38.1	0.0517	116.3
R 12.7X1.1X44.4	12.7	1.10	44.4	0.0390	147.9
R 12.7X1.1X50.8	12.7	1.10	50.8	0.0324	175.4
R 12.7X1.1X57.2	12.7	1.10	57.2	0.0269	207.2
R 12.7X1.1X63.5	12.7	1.10	63.5	0.0230	238.8
R 12.7X1.1X69.8	12.7	1.10	69.8	0.0201	270.5
R 12.7X1.1X76.2	12.7	1.10	76.2	0.0179	302.2
R 12.7X1.1X88.9	12.7	1.10	88.9	0.0148	361.4
R 12.7X1.1X101.6	12.7	1.10	101.6	0.0125	424.8
R 12.7X1.1X114.3	12.7	1.10	114.3	0.0109	484.0
R 12.7X1.1X127	12.7	1.10	127.0	0.0096	547.3
R 12.7X1.12X25	12.7	1.12	25.0	0.1588	51.7
R 12.7X1.12X32	12.7	1.12	32.0	0.0826	83.3
R 12.7X1.12X35	12.7	1.12	35.0	0.0666	98.6
R 12.7X1.12X38	12.7	1.12	38.0	0.0590	109.8

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 12.7X1.12X41	12.7	1.12	41.0	0.0504	125.1
R 12.7X1.12X45	12.7	1.12	45.0	0.0421	145.5
R 12.7X1.12X50	12.7	1.12	50.0	0.0362	167.0
R 12.7X1.12X54	12.7	1.12	54.0	0.0318	187.4
R 12.7X1.12X57	12.7	1.12	57.0	0.0299	198.6
R 12.7X1.12X64	12.7	1.12	64.0	0.0249	234.3
R 12.7X1.12X70	12.7	1.12	70.0	0.0222	260.8
R 12.7X1.12X76	12.7	1.12	76.0	0.0200	287.4
R 12.7X1.12X89	12.7	1.12	89.0	0.0163	349.6
R 12.7X1.12X102	12.7	1.12	102.0	0.0137	411.9
R 12.7X1.12X115	12.7	1.12	115.0	0.0119	470.0
R 12.7X1.2X52	12.7	1.20	52.0	0.0487	156.6
R 12.7X1.2X61	12.7	1.20	61.0	0.0381	194.9
R 12.7X1.2X64	12.7	1.20	64.0	0.0361	205.3
R 12.7X1.2X98	12.7	1.20	98.0	0.0209	342.0
R 12.7X1.2X215	12.7	1.20	215.0	0.0084	818.6
R 12.7X1.25X31.8	12.7	1.25	31.8	0.1441	71.3
R 12.7X1.25X32	12.7	1.25	32.0	0.1441	71.5
R 12.7X1.25X34.8	12.7	1.25	34.8	0.1227	81.1
R 12.7X1.25X35	12.7	1.25	35.0	0.1227	81.3
R 12.7X1.25X38	12.7	1.25	38.0	0.1004	94.6
R 12.7X1.25X38.1	12.7	1.25	38.1	0.1004	94.7
R 12.7X1.25X44.4	12.7	1.25	44.4	0.0771	118.2
R 12.7X1.25X45	12.7	1.25	45.0	0.0771	118.8
R 12.7X1.25X50.8	12.7	1.25	50.8	0.0625	141.7
R 12.7X1.25X57	12.7	1.25	57.0	0.0526	165.1
R 12.7X1.25X57.2	12.7	1.25	57.2	0.0526	165.3
R 12.7X1.25X63.5	12.7	1.25	63.5	0.0454	188.7
R 12.7X1.25X69.8	12.7	1.25	69.8	0.0399	212.2
R 12.7X1.25X70	12.7	1.25	70.0	0.0399	212.4
R 12.7X1.25X71.3	12.7	1.25	71.3	0.0390	217.1
R 12.7X1.25X76	12.7	1.25	76.0	0.0356	235.6
R 12.7X1.25X76.2	12.7	1.25	76.2	0.0356	235.8
R 12.7X1.25X88.9	12.7	1.25	88.9	0.0288	286.2
R 12.7X1.25X89	12.7	1.25	89.0	0.0288	286.3
R 12.7X1.25X96.3	12.7	1.25	96.3	0.0265	310.8
R 12.7X1.25X101.6	12.7	1.25	101.6	0.0245	333.2
R 12.7X1.25X114.3	12.7	1.25	114.3	0.0214	380.2
R 12.7X1.25X115	12.7	1.25	115.0	0.0214	380.9
R 12.7X1.25X121	12.7	1.25	121.0	0.0201	404.1
R 12.7X1.25X127	12.7	1.25	127.0	0.0189	427.2

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 12.7X1.25X146	12.7	1.25	146.0	0.0162	497.7
R 12.7X1.4X31.8	12.7	1.40	31.8	0.2583	61.6
R 12.7X1.4X32	12.7	1.40	32.0	0.2583	61.8
R 12.7X1.4X34.8	12.7	1.40	34.8	0.2170	70.3
R 12.7X1.4X35	12.7	1.40	35.0	0.2170	70.5
R 12.7X1.4X38	12.7	1.40	38.0	0.1871	79.1
R 12.7X1.4X38.1	12.7	1.40	38.1	0.1871	79.2
R 12.7X1.4X41	12.7	1.40	41.0	0.1644	87.8
R 12.7X1.4X44.4	12.7	1.40	44.4	0.1391	99.7
R 12.7X1.4X45	12.7	1.40	45.0	0.1391	100.3
R 12.7X1.4X48	12.7	1.40	48.0	0.1262	109.0
R 12.7X1.4X50	12.7	1.40	50.0	0.1154	116.7
R 12.7X1.4X50.8	12.7	1.40	50.8	0.1154	117.5
R 12.7X1.4X54	12.7	1.40	54.0	0.1024	129.2
R 12.7X1.4X55	12.7	1.40	55.0	0.1024	130.2
R 12.7X1.4X57	12.7	1.40	57.0	0.0952	137.8
R 12.7X1.4X57.2	12.7	1.40	57.2	0.0952	138.0
R 12.7X1.4X59	12.7	1.40	59.0	0.0919	142.7
R 12.7X1.4X60	12.7	1.40	60.0	0.0889	146.5
R 12.7X1.4X61	12.7	1.40	61.0	0.0861	150.4
R 12.7X1.4X63.5	12.7	1.40	63.5	0.0810	158.5
R 12.7X1.4X64	12.7	1.40	64.0	0.0810	159.0
R 12.7X1.4X69.8	12.7	1.40	69.8	0.0723	176.2
R 12.7X1.4X70	12.7	1.40	70.0	0.0723	176.4
R 12.7X1.4X75	12.7	1.40	75.0	0.0654	192.7
R 12.7X1.4X76	12.7	1.40	76.0	0.0654	193.7
R 12.7X1.4X76.2	12.7	1.40	76.2	0.0638	196.8
R 12.7X1.4X87	12.7	1.40	87.0	0.0548	227.4
R 12.7X1.4X88.9	12.7	1.40	88.9	0.0527	235.0
R 12.7X1.4X89	12.7	1.40	89.0	0.0527	235.1
R 12.7X1.4X95	12.7	1.40	95.0	0.0489	252.4
R 12.7X1.4X98	12.7	1.40	98.0	0.0472	261.1
R 12.7X1.4X101.6	12.7	1.40	101.6	0.0448	273.2
R 12.7X1.4X102	12.7	1.40	102.0	0.0448	273.6
R 12.7X1.4X109	12.7	1.40	109.0	0.0414	294.8
R 12.7X1.4X114.3	12.7	1.40	114.3	0.0390	311.5
R 12.7X1.4X115	12.7	1.40	115.0	0.0390	312.2
R 12.7X1.4X120	12.7	1.40	120.0	0.0369	328.5
R 12.7X1.4X127	12.7	1.40	127.0	0.0346	349.7
R 12.7X1.4X140	12.7	1.40	140.0	0.0310	388.2
R 12.7X1.4X165	12.7	1.40	165.0	0.0257	464.3

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 12.7X1.4X215	12.7	1.40	215.0	0.0192	616.4
R 12.7X1.4X406	12.7	1.40	406.0	0.0098	1193.2
R 12.7X1.5X60	12.7	1.50	60.0	0.1288	131.8
R 12.7X1.5X115	12.7	1.50	115.0	0.0560	279.9
R 12.7X1.5X152	12.7	1.50	152.0	0.0410	377.4
R 12.7X1.6X31.8	12.7	1.60	31.8	0.5139	53.1
R 12.7X1.6X32	12.7	1.60	32.0	0.5139	53.3
R 12.7X1.6X33	12.7	1.60	33.0	0.4649	56.6
R 12.7X1.6X34.8	12.7	1.60	34.8	0.4245	60.6
R 12.7X1.6X35	12.7	1.60	35.0	0.4245	60.8
R 12.7X1.6X38	12.7	1.60	38.0	0.3616	68.3
R 12.7X1.6X38.1	12.7	1.60	38.1	0.3616	68.4
R 12.7X1.6X41	12.7	1.60	41.0	0.3150	75.8
R 12.7X1.6X44.4	12.7	1.60	44.4	0.2790	83.7
R 12.7X1.6X45	12.7	1.60	45.0	0.2790	84.3
R 12.7X1.6X48	12.7	1.60	48.0	0.2503	91.8
R 12.7X1.6X50	12.7	1.60	50.0	0.2381	96.1
R 12.7X1.6X50.8	12.7	1.60	50.8	0.2271	99.1
R 12.7X1.6X54	12.7	1.60	54.0	0.2077	106.8
R 12.7X1.6X57	12.7	1.60	57.0	0.1914	114.3
R 12.7X1.6X57.2	12.7	1.60	57.2	0.1914	114.5
R 12.7X1.6X63.5	12.7	1.60	63.5	0.1655	129.8
R 12.7X1.6X68	12.7	1.60	68.0	0.1502	141.0
R 12.7X1.6X69.8	12.7	1.60	69.8	0.1457	145.1
R 12.7X1.6X70	12.7	1.60	70.0	0.1457	145.3
R 12.7X1.6X76	12.7	1.60	76.0	0.1302	160.3
R 12.7X1.6X76.2	12.7	1.60	76.2	0.1302	160.5
R 12.7X1.6X81	12.7	1.60	81.0	0.1205	172.0
R 12.7X1.6X83	12.7	1.60	83.0	0.1176	176.3
R 12.7X1.6X88.9	12.7	1.60	88.9	0.1073	191.1
R 12.7X1.6X89	12.7	1.60	89.0	0.1073	191.2
R 12.7X1.6X92	12.7	1.60	92.0	0.1028	198.7
R 12.7X1.6X100	12.7	1.60	100.0	0.0930	218.0
R 12.7X1.6X101.6	12.7	1.60	101.6	0.0912	221.8
R 12.7X1.6X110	12.7	1.60	110.0	0.0834	241.4
R 12.7X1.6X111	12.7	1.60	111.0	0.0834	242.4
R 12.7X1.6X115	12.7	1.60	115.0	0.0794	253.2
R 12.7X1.6X120	12.7	1.60	120.0	0.0757	264.9
R 12.7X1.6X124	12.7	1.60	124.0	0.0723	275.7
R 12.7X1.6X127	12.7	1.60	127.0	0.0713	280.9
R 12.7X1.6X139	12.7	1.60	139.0	0.0638	310.9

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 12.7X1.6X152	12.7	1.60	152.0	0.0578	341.9
R 12.7X1.6X168	12.7	1.60	168.0	0.0517	380.3
R 12.7X1.6X175	12.7	1.60	175.0	0.0496	396.3
R 12.7X1.6X200	12.7	1.60	200.0	0.0426	457.3
R 12.7X1.6X241	12.7	1.60	241.0	0.0347	556.7
R 12.7X1.6X248	12.7	1.60	248.0	0.0338	572.7
R 12.7X1.6X305	12.7	1.60	305.0	0.0270	710.6
R 12.7X1.7X32	12.7	1.70	32.0	0.6729	51.1
R 12.7X1.7X38	12.7	1.70	38.0	0.5114	63.2
R 12.7X1.7X45	12.7	1.70	45.0	0.3874	78.2
R 12.7X1.7X50	12.7	1.70	50.0	0.3278	89.3
R 12.7X1.7X57	12.7	1.70	57.0	0.2720	104.3
R 12.7X1.7X64	12.7	1.70	64.0	0.2325	119.4
R 12.7X1.7X70	12.7	1.70	70.0	0.2029	133.4
R 12.7X1.7X76	12.7	1.70	76.0	0.1853	145.5
R 12.7X1.7X89	12.7	1.70	89.0	0.1504	174.6
R 12.7X1.7X102	12.7	1.70	102.0	0.1266	203.7
R 12.7X1.7X115	12.7	1.70	115.0	0.1112	230.8
R 12.7X1.7X127	12.7	1.70	127.0	0.0991	256.9
R 12.7X1.75X31.8	12.7	1.75	31.8	0.8562	48.0
R 12.7X1.75X32	12.7	1.75	32.0	0.8562	48.2
R 12.7X1.75X34.8	12.7	1.75	34.8	0.6931	54.8
R 12.7X1.75X35	12.7	1.75	35.0	0.6931	55.0
R 12.7X1.75X38	12.7	1.75	38.0	0.5822	61.9
R 12.7X1.75X38.1	12.7	1.75	38.1	0.5822	62.0
R 12.7X1.75X44.4	12.7	1.75	44.4	0.4695	74.0
R 12.7X1.75X45	12.7	1.75	45.0	0.4411	76.5
R 12.7X1.75X50	12.7	1.75	50.0	0.3732	87.2
R 12.7X1.75X50.8	12.7	1.75	50.8	0.3732	88.0
R 12.7X1.75X57	12.7	1.75	57.0	0.3097	101.9
R 12.7X1.75X57.2	12.7	1.75	57.2	0.3097	102.1
R 12.7X1.75X63.5	12.7	1.75	63.5	0.2746	114.1
R 12.7X1.75X64	12.7	1.75	64.0	0.2646	116.5
R 12.7X1.75X69.8	12.7	1.75	69.8	0.2386	128.0
R 12.7X1.75X70	12.7	1.75	70.0	0.2386	128.2
R 12.7X1.75X76.2	12.7	1.75	76.2	0.2109	142.1
R 12.7X1.75X88.9	12.7	1.75	88.9	0.1754	168.1
R 12.7X1.75X89	12.7	1.75	89.0	0.1754	168.2
R 12.7X1.75X101.6	12.7	1.75	101.6	0.1501	194.2
R 12.7X1.75X114.3	12.7	1.75	114.3	0.1311	220.3
R 12.7X1.75X115	12.7	1.75	115.0	0.1288	222.9

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 12.7X1.75X127	12.7	1.75	127.0	0.1146	248.2
R 12.7X1.8X85	12.7	1.80	85.0	0.2145	154.8
R 12.7X1.8X106	12.7	1.80	106.0	0.1668	195.7
R 12.7X1.8X108	12.7	1.80	108.0	0.1635	199.5
R 12.7X1.8X120	12.7	1.80	120.0	0.1436	224.2
R 12.7X1.8X127	12.7	1.80	127.0	0.1343	238.4
R 12.7X1.8X145	12.7	1.80	145.0	0.1155	274.5
R 12.7X1.8X178	12.7	1.80	178.0	0.0923	340.1
R 12.7X1.8X238	12.7	1.80	238.0	0.0669	461.7
R 12.7X1.8X337	12.7	1.80	337.0	0.0463	660.4
R 12.7X1.8X415	12.7	1.80	415.0	0.0373	816.3
R 12.7X1.9X31.8	12.7	1.90	31.8	1.2399	45.7
R 12.7X1.9X32	12.7	1.90	32.0	1.2399	45.9
R 12.7X1.9X34.8	12.7	1.90	34.8	1.1094	50.3
R 12.7X1.9X35	12.7	1.90	35.0	1.1094	50.5
R 12.7X1.9X38	12.7	1.90	38.0	0.9165	56.8
R 12.7X1.9X38.1	12.7	1.90	38.1	0.9165	56.9
R 12.7X1.9X44.4	12.7	1.90	44.4	0.7268	68.1
R 12.7X1.9X45	12.7	1.90	45.0	0.6800	70.3
R 12.7X1.9X50	12.7	1.90	50.0	0.6022	78.6
R 12.7X1.9X50.8	12.7	1.90	50.8	0.5697	81.1
R 12.7X1.9X57	12.7	1.90	57.0	0.4902	92.2
R 12.7X1.9X57.2	12.7	1.90	57.2	0.4902	92.4
R 12.7X1.9X63.5	12.7	1.90	63.5	0.4302	103.6
R 12.7X1.9X64	12.7	1.90	64.0	0.4133	105.7
R 12.7X1.9X69.8	12.7	1.90	69.8	0.3698	116.4
R 12.7X1.9X70	12.7	1.90	70.0	0.3698	116.6
R 12.7X1.9X76	12.7	1.90	76.0	0.3346	127.5
R 12.7X1.9X76.2	12.7	1.90	76.2	0.3346	127.7
R 12.7X1.9X88.9	12.7	1.90	88.9	0.2737	151.9
R 12.7X1.9X89	12.7	1.90	89.0	0.2737	152.0
R 12.7X1.9X101.6	12.7	1.90	101.6	0.2368	174.4
R 12.7X1.9X102	12.7	1.90	102.0	0.2316	176.4
R 12.7X1.9X114.3	12.7	1.90	114.3	0.2046	198.5
R 12.7X1.9X115	12.7	1.90	115.0	0.2007	200.9
R 12.7X1.9X127	12.7	1.90	127.0	0.1802	222.7
R 12.7X1.9X143	12.7	1.90	143.0	0.1585	251.7
R 12.7X1.9X181	12.7	1.90	181.0	0.1218	322.4
R 12.7X2X41	12.7	2.00	41.0	1.0645	59.5
R 12.7X2X50	12.7	2.00	50.0	0.7603	75.9
R 12.7X2X64	12.7	2.00	64.0	0.5431	100.3

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 12.7X2X102	12.7	2.00	102.0	0.3059	166.4
R 12.7X2X133	12.7	2.00	133.0	0.2274	219.6
R 12.7X2X152	12.7	2.00	152.0	0.1942	253.4
R 12.7X2.1X150	12.7	2.10	150.0	0.2620	235.3
R 12.7X2.25X48	12.7	2.25	48.0	1.5779	64.9
R 12.7X2.3X73	12.7	2.30	73.0	0.9939	101.4
R 12.7X2.3X76	12.7	2.30	76.0	0.9564	105.5
R 12.7X2.3X140	12.7	2.30	140.0	0.4650	200.6
R 13X0.85X54	13.0	0.85	54.0	0.0071	331.4
R 13X0.85X63.5	13.0	0.85	63.5	0.0056	414.4
R 13X0.85X69.8	13.0	0.85	69.8	0.0050	467.5
R 13X0.85X70	13.0	0.85	70.0	0.0049	474.3
R 13X0.85X76	13.0	0.85	76.0	0.0044	527.1
R 13X0.85X76.2	13.0	0.85	76.2	0.0044	527.3
R 13X0.85X88.9	13.0	0.85	88.9	0.0036	640.3
R 13X0.85X89	13.0	0.85	89.0	0.0036	640.4
R 13X0.85X101.6	13.0	0.85	101.6	0.0030	753.2
R 13X0.85X102	13.0	0.85	102.0	0.0030	753.6
R 13X0.85X114.3	13.0	0.85	114.3	0.0026	866.2
R 13X0.85X115	13.0	0.85	115.0	0.0026	873.6
R 13X0.85X124	13.0	0.85	124.0	0.0024	949.4
R 13X0.85X152	13.0	0.85	152.0	0.0019	1198.0
R 13X0.85X165	13.0	0.85	165.0	0.0017	1311.2
R 13X0.9X48	13.0	0.90	48.0	0.0116	247.0
R 13X0.9X48.5	13.0	0.90	48.5	0.0116	247.5
R 13X0.9X55	13.0	0.90	55.0	0.0093	303.0
R 13X0.9X59.2	13.0	0.90	59.2	0.0085	331.7
R 13X0.9X67	13.0	0.90	67.0	0.0071	394.6
R 13X0.9X76	13.0	0.90	76.0	0.0059	464.8
R 13X0.9X82.6	13.0	0.90	82.6	0.0054	514.2
R 13X0.9X83	13.0	0.90	83.0	0.0053	520.8
R 13X0.9X85	13.0	0.90	85.0	0.0051	535.0
R 13X0.9X105	13.0	0.90	105.0	0.0040	689.7
R 13X0.9X150	13.0	0.90	150.0	0.0026	1040.9
R 13X0.9X305	13.0	0.90	305.0	0.0012	2249.0
R 13X1X36	13.0	1.00	36.0	0.0337	127.0
R 13X1X38	13.0	1.00	38.0	0.0302	139.4
R 13X1X42	13.0	1.00	42.0	0.0251	164.2
R 13X1X52	13.0	1.00	52.0	0.0176	226.2
R 13X1X59.2	13.0	1.00	59.2	0.0146	269.8
R 13X1X63	13.0	1.00	63.0	0.0132	294.4

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 13X1X70	13.0	1.00	70.0	0.0114	337.7
R 13X1X76	13.0	1.00	76.0	0.0103	374.9
R 13X1X83	13.0	1.00	83.0	0.0091	418.3
R 13X1X90.8	13.0	1.00	90.8	0.0081	467.7
R 13X1X95	13.0	1.00	95.0	0.0077	492.7
R 13X1X108	13.0	1.00	108.0	0.0066	573.3
R 13X1X110	13.0	1.00	110.0	0.0064	585.7
R 13X1X152	13.0	1.00	152.0	0.0044	846.1
R 13X1X175	13.0	1.00	175.0	0.0038	988.6
R 13X1X178	13.0	1.00	178.0	0.0037	1007.2
R 13X1X203	13.0	1.00	203.0	0.0032	1162.2
R 13X1X290	13.0	1.00	290.0	0.0022	1701.5
R 13X1.1X41	13.0	1.10	41.0	0.0432	132.7
R 13X1.1X48	13.0	1.10	48.0	0.0334	166.5
R 13X1.1X70	13.0	1.10	70.0	0.0190	277.9
R 13X1.1X76	13.0	1.10	76.0	0.0169	310.8
R 13X1.1X98	13.0	1.10	98.0	0.0122	422.2
R 13X1.1X139.7	13.0	1.10	139.7	0.0080	633.8
R 13X1.1X150	13.0	1.10	150.0	0.0074	684.4
R 13X1.1X152.4	13.0	1.10	152.4	0.0073	695.7
R 13X1.1X203	13.0	1.10	203.0	0.0053	952.0
R 13X1.1X229	13.0	1.10	229.0	0.0046	1085.4
R 13X1.12X48	13.0	1.12	48.0	0.0361	163.1
R 13X1.12X152	13.0	1.12	152.0	0.0080	671.2
R 13X1.2X30.2	13.0	1.20	30.2	0.1225	71.0
R 13X1.2X36	13.0	1.20	36.0	0.0887	92.4
R 13X1.2X37	13.0	1.20	37.0	0.0830	97.2
R 13X1.2X37.4	13.0	1.20	37.4	0.0779	101.5
R 13X1.2X38	13.0	1.20	38.0	0.0779	102.1
R 13X1.2X41	13.0	1.20	41.0	0.0659	116.8
R 13X1.2X42	13.0	1.20	42.0	0.0659	117.8
R 13X1.2X48.2	13.0	1.20	48.2	0.0504	147.3
R 13X1.2X66.2	13.0	1.20	66.2	0.0317	223.6
R 13X1.2X90.2	13.0	1.20	90.2	0.0213	325.4
R 13X1.25X70.8	13.0	1.25	70.8	0.0361	225.3
R 13X1.25X102	13.0	1.25	102.0	0.0227	347.4
R 13X1.3X38	13.0	1.30	38.0	0.1172	90.8
R 13X1.3X73	13.0	1.30	73.0	0.0427	217.8
R 13X1.4X38	13.0	1.40	38.0	0.1729	81.6
R 13X1.4X70	13.0	1.40	70.0	0.0669	182.9
R 13X1.6X31	13.0	1.60	31.0	0.5302	51.3

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 13X1.6X34.2	13.0	1.60	34.2	0.4292	59.3
R 13X1.6X71	13.0	1.60	71.0	0.1345	151.0
R 13X1.6X82.6	13.0	1.60	82.6	0.1113	179.3
R 13X1.6X102	13.0	1.60	102.0	0.0858	227.4
R 13X1.6X108	13.0	1.60	108.0	0.0798	242.9
R 13X1.6X123	13.0	1.60	123.0	0.0678	281.8
R 13X1.6X136	13.0	1.60	136.0	0.0605	313.9
R 13X1.6X215	13.0	1.60	215.0	0.0365	509.9
R 13X1.75X76	13.0	1.75	76.0	0.2003	144.1
R 13X1.75X102	13.0	1.75	102.0	0.1384	200.5
R 13X1.8X46	13.0	1.80	46.0	0.4613	77.8
R 13X1.8X136	13.0	1.80	136.0	0.1145	264.3
R 13X1.8X170	13.0	1.80	170.0	0.0890	334.9
R 13X1.8X215	13.0	1.80	215.0	0.0689	428.2
R 13X1.9X31	13.0	1.90	31.0	1.2944	44.1
R 13X1.9X108	13.0	1.90	108.0	0.2002	192.5
R 13X1.9X111	13.0	1.90	111.0	0.1961	197.3
R 13X1.9X139.7	13.0	1.90	139.7	0.1505	252.1
R 13X1.9X152	13.0	1.90	152.0	0.1358	276.6
R 13X1.9X152.4	13.0	1.90	152.4	0.1358	277.0
R 13X2X50.8	13.0	2.00	50.8	0.6998	78.4
R 13X2X55	13.0	2.00	55.0	0.6280	85.8
R 13X2X63	13.0	2.00	63.0	0.5211	100.1
R 13X2X70.8	13.0	2.00	70.8	0.4453	114.2
R 13X2X97	13.0	2.00	97.0	0.3024	161.0
R 13X2X104	13.0	2.00	104.0	0.2815	172.7
R 13X2X110	13.0	2.00	110.0	0.2634	183.4
R 13X2X111	13.0	2.00	111.0	0.2578	186.0
R 13X2X118	13.0	2.00	118.0	0.2425	197.8
R 13X2X124	13.0	2.00	124.0	0.2289	208.5
R 13X2X130	13.0	2.00	130.0	0.2168	219.2
R 13X2X148	13.0	2.00	148.0	0.1870	251.4
R 13X2.3X70	13.0	2.30	70.0	0.9903	98.0
R 13X2.3X96	13.0	2.30	96.0	0.6745	137.1
R 13X2.5X40.3	13.0	2.50	40.3	3.2739	50.8
R 13X2.5X55.3	13.0	2.50	55.3	2.0834	71.7
R 13X2.5X77.8	13.0	2.50	77.8	1.3481	103.2
R 13.1X1.6X27	13.1	1.60	27.0	0.7982	40.4
R 13.1X1.6X38	13.1	1.60	38.0	0.3512	68.4
R 13.1X1.6X120	13.1	1.60	120.0	0.0681	277.1
R 13.1X1.6X298	13.1	1.60	298.0	0.0250	725.5

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 13.2X1.9X31.8	13.2	1.90	31.8	1.2268	45.4
R 13.2X1.9X34.8	13.2	1.90	34.8	0.9686	52.1
R 13.4X2X41	13.4	2.00	41.0	0.9567	60.7
R 13.5X0.9X96	13.5	0.90	96.0	0.0040	662.0
R 13.5X1X31.4	13.5	1.00	31.4	0.0417	102.6
R 13.5X1X40	13.5	1.00	40.0	0.0254	156.7
R 13.5X1X44.4	13.5	1.00	44.4	0.0205	189.5
R 13.5X1X59.4	13.5	1.00	59.4	0.0129	289.9
R 13.5X1X73.4	13.5	1.00	73.4	0.0096	383.6
R 13.5X1X80	13.5	1.00	80.0	0.0086	424.4
R 13.5X1X100	13.5	1.00	100.0	0.0065	558.2
R 13.5X1X120	13.5	1.00	120.0	0.0052	692.1
R 13.5X1X200	13.5	1.00	200.0	0.0029	1227.5
R 13.5X2.35X85	13.5	2.35	85.0	0.7598	122.5
R 13.6X2.2X34.8	13.6	2.20	34.8	1.8951	47.4
R 13.7X1.25X34.2	13.7	1.25	34.2	0.1031	85.9
R 13.7X1.25X40	13.7	1.25	40.0	0.0781	108.3
R 13.7X1.25X50.5	13.7	1.25	50.5	0.0505	156.0
R 13.7X1.25X65.2	13.7	1.25	65.2	0.0353	216.3
R 13.7X1.25X80	13.7	1.25	80.0	0.0266	280.7
R 13.7X1.25X88.7	13.7	1.25	88.7	0.0232	318.4
R 13.7X1.25X98.7	13.7	1.25	98.7	0.0203	361.5
R 13.7X1.25X108.7	13.7	1.25	108.7	0.0180	404.6
R 13.7X1.25X118.7	13.7	1.25	118.7	0.0162	447.7
R 13.7X1.25X220	13.7	1.25	220.0	0.0080	884.2
R 13.7X1.25X300	13.7	1.25	300.0	0.0057	1229.1
R 14X1.6X89	14.0	1.60	89.0	0.0805	214.7
R 14X1.8X63	14.0	1.80	63.0	0.2404	120.5
R 14X2X38	14.0	2.00	38.0	0.8984	58.3
R 14X2X50	14.0	2.00	50.0	0.5717	81.9
R 14X2X68	14.0	2.00	68.0	0.3699	117.3
R 14X2.8X44.2	14.0	2.80	44.2	4.6916	53.4
R 14X2.8X61	14.0	2.80	61.0	2.8755	76.0
R 14X2.8X86.2	14.0	2.80	86.2	1.8192	109.9
R 14X2.8X128	14.0	2.80	128.0	1.1284	166.3
R 14X2.8X184	14.0	2.80	184.0	0.7491	241.7
R 14.1X1.6X38.2	14.1	1.60	38.2	0.2972	72.1
R 14.1X1.6X59	14.1	1.60	59.0	0.1395	131.1
R 14.1X1.6X83	14.1	1.60	83.0	0.0865	199.3
R 14.1X1.6X94.2	14.1	1.60	94.2	0.0735	231.1
R 14.1X1.6X100	14.1	1.60	100.0	0.0677	248.7

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 14.1X1.6X105	14.1	1.60	105.0	0.0639	262.5
R 14.1X1.6X118	14.1	1.60	118.0	0.0556	299.0
R 14.1X1.6X131	14.1	1.60	131.0	0.0492	335.6
R 14.1X1.6X143	14.1	1.60	143.0	0.0441	371.1
R 14.1X1.6X220	14.1	1.60	220.0	0.0272	589.4
R 14.1X1.6X300	14.1	1.60	300.0	0.0195	816.6
R 14.2X1.2X114	14.2	1.20	114.0	0.0122	492.7
R 14.2X1.25X40	14.2	1.25	40.0	0.0694	114.6
R 14.2X1.25X102	14.2	1.25	102.0	0.0175	398.0
R 14.2X1.25X215	14.2	1.25	215.0	0.0073	922.2
R 14.2X1.8X40	14.2	1.80	40.0	0.4877	68.0
R 14.2X1.8X55	14.2	1.80	55.0	0.2736	105.0
R 14.2X1.8X64	14.2	1.80	64.0	0.2200	126.1
R 14.2X1.8X70	14.2	1.80	70.0	0.1968	139.5
R 14.2X1.8X73	14.2	1.80	73.0	0.1839	147.3
R 14.2X1.8X80	14.2	1.80	80.0	0.1626	164.1
R 14.2X1.8X92	14.2	1.80	92.0	0.1385	190.7
R 14.2X1.8X95	14.2	1.80	95.0	0.1320	198.6
R 14.2X1.8X127	14.2	1.80	127.0	0.0927	274.4
R 14.2X1.8X130	14.2	1.80	130.0	0.0912	279.9
R 14.2X1.8X152	14.2	1.80	152.0	0.0753	333.6
R 14.2X1.8X220	14.2	1.80	220.0	0.0503	491.7
R 14.2X2X60	14.2	2.00	60.0	0.4379	101.2
R 14.2X2X138	14.2	2.00	138.0	0.1509	257.6
R 14.2X2X215	14.2	2.00	215.0	0.0911	412.9
R 14.2X2.3X60	14.2	2.30	60.0	0.9145	88.4
R 14.2X2.3X76	14.2	2.30	76.0	0.6634	115.1
R 14.2X2.3X83	14.2	2.30	83.0	0.5936	126.7
R 14.2X2.3X89	14.2	2.30	89.0	0.5371	137.3
R 14.2X2.3X108	14.2	2.30	108.0	0.4283	168.6
R 14.2X2.3X140	14.2	2.30	140.0	0.3162	222.1
R 14.2X2.3X220	14.2	2.30	220.0	0.1933	354.2
R 14.2X3X60	14.2	3.00	60.0	4.0507	72.5
R 14.3X1.2X40	14.3	1.20	40.0	0.0570	121.0
R 14.3X1.2X83	14.3	1.20	83.0	0.0179	340.7
R 14.3X1.2X102	14.3	1.20	102.0	0.0137	438.2
R 14.3X1.4X40	14.3	1.40	40.0	0.1257	95.4
R 14.3X1.4X64	14.3	1.40	64.0	0.0579	184.4
R 14.3X1.4X102	14.3	1.40	102.0	0.0312	325.5
R 14.3X1.4X215	14.3	1.40	215.0	0.0131	748.1
R 14.3X1.4X420	14.3	1.40	420.0	0.0064	1511.0

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 14.3X1.6X40	14.3	1.60	40.0	0.2608	78.1
R 14.3X1.6X60	14.3	1.60	60.0	0.1278	137.8
R 14.3X1.6X86	14.3	1.60	86.0	0.0785	212.6
R 14.3X1.6X92	14.3	1.60	92.0	0.0716	230.8
R 14.3X1.6X95	14.3	1.60	95.0	0.0686	239.9
R 14.3X1.6X210	14.3	1.60	210.0	0.0273	574.6
R 14.3X1.6X215	14.3	1.60	215.0	0.0266	588.8
R 14.3X2.1X210	14.3	2.10	210.0	0.1192	380.9
R 14.3X2.35X222	14.3	2.35	222.0	0.2105	351.6
R 14.3X2.7X72	14.3	2.70	72.0	1.6920	95.0
R 14.5X1.6X38	14.5	1.60	38.0	0.2704	74.4
R 14.5X2X42.8	14.5	2.00	42.8	0.6676	69.4
R 14.5X2X58.8	14.5	2.00	58.8	0.4071	102.4
R 14.5X2X80	14.5	2.00	80.0	0.2736	144.8
R 14.5X2X98.8	14.5	2.00	98.8	0.2061	184.9
R 14.5X2X112	14.5	2.00	112.0	0.1795	210.8
R 14.5X2X126	14.5	2.00	126.0	0.1560	239.7
R 14.5X2X142	14.5	2.00	142.0	0.1357	272.7
R 14.5X2X158	14.5	2.00	158.0	0.1201	305.7
R 14.5X2X174	14.5	2.00	174.0	0.1077	338.7
R 14.5X2X200	14.5	2.00	200.0	0.0922	392.3
R 14.5X2X220	14.5	2.00	220.0	0.0830	433.6
R 14.5X2.7X38	14.5	2.70	38.0	4.3935	46.8
R 14.6X1.8X60	14.6	1.80	60.0	0.2266	119.0
R 14.6X1.8X97	14.6	1.80	97.0	0.1172	211.0
R 14.6X1.8X120	14.6	1.80	120.0	0.0919	265.4
R 14.6X1.8X203	14.6	1.80	203.0	0.0498	471.6
R 14.6X1.8X724	14.6	1.80	724.0	0.0130	1749.8
R 14.6X1.9X197	14.6	1.90	197.0	0.0693	419.3
R 15X1.4X34.9	15.0	1.40	34.9	0.1638	75.8
R 15X1.4X43.3	15.0	1.40	43.3	0.1004	110.0
R 15X1.4X55.9	15.0	1.40	55.9	0.0635	161.3
R 15X1.4X76.9	15.0	1.40	76.9	0.0394	246.8
R 15X1.4X105	15.0	1.40	105.0	0.0257	365.2
R 15X1.5X38	15.0	1.50	38.0	0.1823	82.1
R 15X1.5X38.1	15.0	1.50	38.1	0.1823	82.2
R 15X1.5X41.5	15.0	1.50	41.5	0.1553	93.3
R 15X1.5X44.4	15.0	1.50	44.4	0.1352	103.9
R 15X1.5X62.5	15.0	1.50	62.5	0.0762	168.1
R 15X1.5X70	15.0	1.50	70.0	0.0645	194.8
R 15X1.5X71.5	15.0	1.50	71.5	0.0626	200.1

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 15X1.5X82	15.0	1.50	82.0	0.0518	237.5
R 15X1.5X91	15.0	1.50	91.0	0.0451	269.5
R 15X1.5X101.5	15.0	1.50	101.5	0.0392	306.9
R 15X1.5X113.5	15.0	1.50	113.5	0.0341	349.6
R 15X1.5X125.5	15.0	1.50	125.5	0.0302	392.3
R 15X1.8X70	15.0	1.80	70.0	0.1691	147.3
R 15X1.8X86	15.0	1.80	86.0	0.1274	188.6
R 15X2X90	15.0	2.00	90.0	0.2090	172.6
R 15X2.2X41.2	15.0	2.20	41.2	1.0838	61.6
R 15X2.2X54.4	15.0	2.20	54.4	0.6897	86.5
R 15X2.2X74.2	15.0	2.20	74.2	0.4463	123.8
R 15X2.2X107	15.0	2.20	107.0	0.2881	183.9
R 15X2.2X151	15.0	2.20	151.0	0.1913	266.8
R 15X2.25X103	15.0	2.25	103.0	0.3359	172.9
R 15X2.4X67	15.0	2.40	67.0	0.8242	100.7
R 15X2.5X48.5	15.0	2.50	48.5	1.6300	67.4
R 15X2.5X63	15.0	2.50	63.0	1.1643	89.5
R 15X2.5X63.5	15.0	2.50	63.5	1.1014	91.5
R 15X2.5X81	15.0	2.50	81.0	0.7990	119.6
R 15X2.5X118	15.0	2.50	118.0	0.5158	177.8
R 15X2.5X136	15.0	2.50	136.0	0.4289	207.9
R 15X2.5X153	15.0	2.50	153.0	0.3808	234.0
R 15X2.5X173	15.0	2.50	173.0	0.3313	266.1
R 15X2.5X193	15.0	2.50	193.0	0.2932	298.2
R 15X2.5X213	15.0	2.50	213.0	0.2629	330.3
R 15.1X1.6X46	15.1	1.60	46.0	0.1751	100.3
R 15.1X1.9X95	15.1	1.90	95.0	0.1461	197.6
R 15.1X2.7X102	15.1	2.70	102.0	0.9015	143.5
R 15.5X1.6X43.5	15.5	1.60	43.5	0.1841	94.0
R 15.5X1.6X60	15.5	1.60	60.0	0.1015	151.6
R 15.5X1.6X66	15.5	1.60	66.0	0.0904	168.9
R 15.5X1.6X75.5	15.5	1.60	75.5	0.0742	200.8
R 15.5X1.6X86.5	15.5	1.60	86.5	0.0614	238.0
R 15.5X1.6X96	15.5	1.60	96.0	0.0535	269.9
R 15.5X1.6X107.5	15.5	1.60	107.5	0.0465	307.6
R 15.5X1.6X120	15.5	1.60	120.0	0.0404	350.0
R 15.5X1.6X133	15.5	1.60	133.0	0.0358	392.9
R 15.5X1.6X220	15.5	1.60	220.0	0.0200	685.7
R 15.5X1.6X300	15.5	1.60	300.0	0.0142	952.7
R 15.8X1X130	15.8	1.00	130.0	0.0030	1011.6
R 15.8X1.2X305	15.8	1.20	305.0	0.0029	1775.8

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 15.8X1.8X40	15.8	1.80	40.0	0.3712	73.7
R 15.8X1.8X64	15.8	1.80	64.0	0.1658	139.5
R 15.8X1.8X80	15.8	1.80	80.0	0.1199	184.4
R 15.8X1.8X89	15.8	1.80	89.0	0.1039	209.4
R 15.8X1.8X115	15.8	1.80	115.0	0.0742	283.6
R 15.8X1.8X152	15.8	1.80	152.0	0.0538	384.9
R 15.8X1.8X215	15.8	1.80	215.0	0.0363	560.3
R 15.8X1.8X298	15.8	1.80	298.0	0.0254	791.0
R 15.8X1.9X50	15.8	1.90	50.0	0.3189	95.3
R 15.8X1.9X92	15.8	1.90	92.0	0.1318	201.6
R 15.8X1.9X120	15.8	1.90	120.0	0.0942	273.4
R 15.8X1.9X190	15.8	1.90	190.0	0.0559	448.6
R 15.8X2X40	15.8	2.00	40.0	0.6529	65.3
R 15.8X2X65	15.8	2.00	65.0	0.2757	125.0
R 15.8X2X76	15.8	2.00	76.0	0.2255	149.4
R 15.8X2X102	15.8	2.00	102.0	0.1531	210.0
R 15.8X2X120	15.8	2.00	120.0	0.1253	252.0
R 15.8X2X140	15.8	2.00	140.0	0.1042	298.7
R 15.8X2X159	15.8	2.00	159.0	0.0892	344.4
R 15.8X2X165	15.8	2.00	165.0	0.0855	358.4
R 15.8X2X215	15.8	2.00	215.0	0.0636	475.1
R 15.8X2X622	15.8	2.00	622.0	0.0206	1423.5
R 15.8X2.2X162	15.8	2.20	162.0	0.1471	306.5
R 15.8X2.3X60	15.8	2.30	60.0	0.6621	96.1
R 15.8X2.3X102	15.8	2.30	102.0	0.3264	175.1
R 15.8X2.3X120	15.8	2.30	120.0	0.2664	209.6
R 15.8X2.3X127	15.8	2.30	127.0	0.2492	222.8
R 15.8X2.3X215	15.8	2.30	215.0	0.1371	389.1
R 15.8X2.4X92	15.8	2.40	92.0	0.4606	149.9
R 15.8X2.4X94	15.8	2.40	94.0	0.4606	151.9
R 15.8X2.4X200	15.8	2.40	200.0	0.1861	343.4
R 15.8X2.5X89	15.8	2.50	89.0	0.6151	137.2
R 15.8X3X50	15.8	3.00	50.0	3.7474	62.6
R 15.8X3X83	15.8	3.00	83.0	1.8301	108.8
R 15.8X3X140	15.8	3.00	140.0	0.9716	188.6
R 15.8X3X215	15.8	3.00	215.0	0.6007	293.6
R 15.9X1.1X40	15.9	1.10	40.0	0.0297	152.5
R 15.9X1.1X65	15.9	1.10	65.0	0.0120	344.5
R 15.9X1.1X91	15.9	1.10	91.0	0.0075	537.5
R 15.9X1.2X40	15.9	1.20	40.0	0.0459	131.9
R 15.9X1.2X89	15.9	1.20	89.0	0.0120	440.9

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 15.9X1.2X127	15.9	1.20	127.0	0.0077	675.5
R 15.9X1.4X38	15.9	1.40	38.0	0.1116	95.1
R 15.9X1.4X45	15.9	1.40	45.0	0.0778	126.9
R 15.9X1.4X50	15.9	1.40	50.0	0.0658	146.8
R 15.9X1.4X57	15.9	1.40	57.0	0.0524	178.6
R 15.9X1.4X60	15.9	1.40	60.0	0.0484	191.5
R 15.9X1.4X64	15.9	1.40	64.0	0.0435	210.4
R 15.9X1.4X70	15.9	1.40	70.0	0.0372	241.2
R 15.9X1.4X76	15.9	1.40	76.0	0.0333	267.1
R 15.9X1.4X80	15.9	1.40	80.0	0.0309	286.0
R 15.9X1.4X89	15.9	1.40	89.0	0.0270	324.7
R 15.9X1.4X102	15.9	1.40	102.0	0.0227	382.4
R 15.9X1.4X120	15.9	1.40	120.0	0.0185	464.9
R 15.9X1.4X165	15.9	1.40	165.0	0.0126	668.8
R 15.9X1.4X172	15.9	1.40	172.0	0.0121	700.6
R 15.9X1.4X220	15.9	1.40	220.0	0.0091	922.3
R 15.9X1.6X38	15.9	1.60	38.0	0.2174	79.9
R 15.9X1.6X45	15.9	1.60	45.0	0.1575	102.8
R 15.9X1.6X50	15.9	1.60	50.0	0.1305	119.8
R 15.9X1.6X57	15.9	1.60	57.0	0.1062	142.7
R 15.9X1.6X60	15.9	1.60	60.0	0.0972	153.7
R 15.9X1.6X64	15.9	1.60	64.0	0.0862	169.6
R 15.9X1.6X70	15.9	1.60	70.0	0.0749	191.6
R 15.9X1.6X76	15.9	1.60	76.0	0.0682	209.5
R 15.9X1.6X80	15.9	1.60	80.0	0.0626	225.5
R 15.9X1.6X89	15.9	1.60	89.0	0.0550	254.4
R 15.9X1.6X102	15.9	1.60	102.0	0.0452	303.3
R 15.9X1.6X115	15.9	1.60	115.0	0.0390	348.2
R 15.9X1.6X127	15.9	1.60	127.0	0.0349	388.1
R 15.9X1.6X138	15.9	1.60	138.0	0.0315	427.0
R 15.9X1.6X215	15.9	1.60	215.0	0.0189	695.4
R 15.9X1.6X300	15.9	1.60	300.0	0.0132	991.7
R 15.9X1.75X40	15.9	1.75	40.0	0.3212	76.0
R 15.9X1.75X45	15.9	1.75	45.0	0.2498	91.3
R 15.9X1.75X50	15.9	1.75	50.0	0.2044	106.5
R 15.9X1.75X57	15.9	1.75	57.0	0.1645	127.2
R 15.9X1.75X64	15.9	1.75	64.0	0.1377	147.9
R 15.9X1.75X70	15.9	1.75	70.0	0.1226	164.2
R 15.9X1.75X76	15.9	1.75	76.0	0.1071	183.9
R 15.9X1.75X89	15.9	1.75	89.0	0.0876	220.9
R 15.9X1.75X102	15.9	1.75	102.0	0.0741	257.9

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 15.9X1.75X115	15.9	1.75	115.0	0.0630	298.3
R 15.9X1.75X127	15.9	1.75	127.0	0.0557	334.3
R 15.9X1.75X160	15.9	1.75	160.0	0.0424	432.4
R 15.9X1.75X220	15.9	1.75	220.0	0.0297	608.9
R 15.9X1.9X202	15.9	1.90	202.0	0.0507	485.7
R 15.9X2.1X60	15.9	2.10	60.0	0.4075	105.9
R 15.9X2.1X148	15.9	2.10	148.0	0.1246	298.2
R 15.9X2.1X362	15.9	2.10	362.0	0.0464	765.4
R 15.9X2.35X185	15.9	2.35	185.0	0.1771	326.8
R 15.9X2.4X48	15.9	2.40	48.0	1.1946	70.2
R 15.9X3.2X63	15.9	3.20	63.0	3.8630	77.3
R 15.9X3.2X92	15.9	3.20	92.0	2.2192	116.9
R 15.9X3.2X200	15.9	3.20	200.0	0.9230	259.8
R 16X1.25X50	16.0	1.25	50.0	0.0360	179.8
R 16X1.25X63	16.0	1.25	63.0	0.0238	259.2
R 16X1.25X76	16.0	1.25	76.0	0.0182	332.6
R 16X1.25X80	16.0	1.25	80.0	0.0170	354.7
R 16X1.25X100	16.0	1.25	100.0	0.0126	471.3
R 16X1.25X125	16.0	1.25	125.0	0.0095	617.1
R 16X1.25X160	16.0	1.25	160.0	0.0071	821.1
R 16X1.25X360	16.0	1.25	360.0	0.0029	1987.1
R 16X1.4X38.1	16.0	1.40	38.1	0.1094	96.1
R 16X1.4X41	16.0	1.40	41.0	0.0932	109.0
R 16X1.4X48	16.0	1.40	48.0	0.0680	141.2
R 16X1.4X50	16.0	1.40	50.0	0.0645	148.3
R 16X1.4X50.8	16.0	1.40	50.8	0.0613	154.1
R 16X1.4X57.2	16.0	1.40	57.2	0.0513	180.7
R 16X1.4X63	16.0	1.40	63.0	0.0441	206.6
R 16X1.4X63.5	16.0	1.40	63.5	0.0426	212.2
R 16X1.4X69.8	16.0	1.40	69.8	0.0375	238.6
R 16X1.4X73	16.0	1.40	73.0	0.0345	257.0
R 16X1.4X80	16.0	1.40	80.0	0.0303	289.1
R 16X1.4X100	16.0	1.40	100.0	0.0227	379.7
R 16X1.4X125	16.0	1.40	125.0	0.0171	495.4
R 16X1.4X160	16.0	1.40	160.0	0.0128	656.4
R 16X1.4X360	16.0	1.40	360.0	0.0052	1577.1
R 16X1.6X50	16.0	1.60	50.0	0.1278	120.9
R 16X1.6X63	16.0	1.60	63.0	0.0877	166.3
R 16X1.6X80	16.0	1.60	80.0	0.0613	227.8
R 16X1.6X85	16.0	1.60	85.0	0.0566	244.9
R 16X1.6X100	16.0	1.60	100.0	0.0461	296.4

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 16X1.6X111	16.0	1.60	111.0	0.0403	335.7
R 16X1.6X117	16.0	1.60	117.0	0.0376	357.9
R 16X1.6X125	16.0	1.60	125.0	0.0347	386.2
R 16X1.6X160	16.0	1.60	160.0	0.0258	510.3
R 16X1.6X172	16.0	1.60	172.0	0.0239	550.6
R 16X1.6X360	16.0	1.60	360.0	0.0106	1216.4
R 16X1.8X43	16.0	1.80	43.0	0.3248	81.1
R 16X1.8X50	16.0	1.80	50.0	0.2410	101.4
R 16X1.8X63	16.0	1.80	63.0	0.1660	137.6
R 16X1.8X73	16.0	1.80	73.0	0.1311	167.5
R 16X1.8X80	16.0	1.80	80.0	0.1149	187.8
R 16X1.8X84.6	16.0	1.80	84.6	0.1083	199.0
R 16X1.8X100	16.0	1.80	100.0	0.0859	244.3
R 16X1.8X106	16.0	1.80	106.0	0.0803	260.2
R 16X1.8X109	16.0	1.80	109.0	0.0770	269.9
R 16X1.8X125	16.0	1.80	125.0	0.0650	315.7
R 16X1.8X134	16.0	1.80	134.0	0.0598	341.3
R 16X1.8X159	16.0	1.80	159.0	0.0488	412.7
R 16X1.8X160	16.0	1.80	160.0	0.0488	413.7
R 16X1.8X360	16.0	1.80	360.0	0.0199	981.9
R 16X1.9X63.5	16.0	1.90	63.5	0.2105	131.4
R 16X1.9X69.8	16.0	1.90	69.8	0.1857	146.8
R 16X1.9X70	16.0	1.90	70.0	0.1857	147.0
R 16X1.9X76	16.0	1.90	76.0	0.1662	162.0
R 16X1.9X76.2	16.0	1.90	76.2	0.1662	162.2
R 16X1.9X88.9	16.0	1.90	88.9	0.1334	196.1
R 16X1.9X89	16.0	1.90	89.0	0.1334	196.2
R 16X1.9X101.6	16.0	1.90	101.6	0.1114	229.9
R 16X1.9X102	16.0	1.90	102.0	0.1114	230.3
R 16X1.9X114.3	16.0	1.90	114.3	0.0977	260.7
R 16X1.9X115	16.0	1.90	115.0	0.0957	264.4
R 16X2X50	16.0	2.00	50.0	0.4097	90.0
R 16X2X53	16.0	2.00	53.0	0.3832	95.7
R 16X2X63	16.0	2.00	63.0	0.2898	119.5
R 16X2X80	16.0	2.00	80.0	0.2014	161.3
R 16X2X87	16.0	2.00	87.0	0.1828	176.6
R 16X2X100	16.0	2.00	100.0	0.1504	208.9
R 16X2X121	16.0	2.00	121.0	0.1200	257.4
R 16X2X125	16.0	2.00	125.0	0.1153	267.0
R 16X2X155	16.0	2.00	155.0	0.0893	338.3
R 16X2X160	16.0	2.00	160.0	0.0855	351.6

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 16X2X170	16.0	2.00	170.0	0.0797	375.4
R 16X2X189	16.0	2.00	189.0	0.0711	419.2
R 16X2X360	16.0	2.00	360.0	0.0350	827.2
R 16X2.2X50	16.0	2.20	50.0	0.6726	81.3
R 16X2.2X63	16.0	2.20	63.0	0.4657	108.2
R 16X2.2X70	16.0	2.20	70.0	0.4036	122.1
R 16X2.2X76	16.0	2.20	76.0	0.3561	135.1
R 16X2.2X76.2	16.0	2.20	76.2	0.3561	135.3
R 16X2.2X80	16.0	2.20	80.0	0.3427	141.4
R 16X2.2X88.9	16.0	2.20	88.9	0.2977	159.6
R 16X2.2X89	16.0	2.20	89.0	0.2883	162.0
R 16X2.2X100	16.0	2.20	100.0	0.2488	184.6
R 16X2.2X101.6	16.0	2.20	101.6	0.2488	186.2
R 16X2.2X102	16.0	2.20	102.0	0.2488	186.6
R 16X2.2X114.3	16.0	2.20	114.3	0.2137	212.8
R 16X2.2X115	16.0	2.20	115.0	0.2137	213.5
R 16X2.2X125	16.0	2.20	125.0	0.1912	235.1
R 16X2.2X139.7	16.0	2.20	139.7	0.1666	266.0
R 16X2.2X152	16.0	2.20	152.0	0.1526	289.9
R 16X2.2X152.4	16.0	2.20	152.4	0.1526	290.3
R 16X2.2X160	16.0	2.20	160.0	0.1430	307.1
R 16X2.2X360	16.0	2.20	360.0	0.0588	718.0
R 16X3.2X50.6	16.0	3.20	50.6	4.8512	61.9
R 16X3.2X69.8	16.0	3.20	69.8	3.0871	87.6
R 16X3.2X98.6	16.0	3.20	98.6	1.9975	126.1
R 16.2X1.3X102	16.2	1.30	102.0	0.0145	455.8
R 16.2X1.8X250	16.2	1.80	250.0	0.0283	683.0
R 16.2X2X60	16.2	2.00	60.0	0.2919	115.5
R 16.2X2X146	16.2	2.00	146.0	0.0911	323.9
R 16.2X2X197	16.2	2.00	197.0	0.0651	446.1
R 16.3X1.4X40	16.3	1.40	40.0	0.0946	105.9
R 16.3X1.4X95	16.3	1.40	95.0	0.0230	366.6
R 16.3X1.4X215	16.3	1.40	215.0	0.0086	940.1
R 16.3X1.6X108	16.3	1.60	108.0	0.0393	334.9
R 16.3X2.1X97	16.3	2.10	97.0	0.1949	191.1
R 16.5X1.4X38	16.5	1.40	38.0	0.1083	95.0
R 16.5X1.4X38.1	16.5	1.40	38.1	0.1083	95.1
R 16.5X1.4X44.4	16.5	1.40	44.4	0.0733	128.6
R 16.5X1.4X50.8	16.5	1.40	50.8	0.0583	156.7
R 16.5X1.4X57.2	16.5	1.40	57.2	0.0464	190.3
R 16.5X1.4X63.5	16.5	1.40	63.5	0.0399	218.3

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 16.5X1.4X69.8	16.5	1.40	69.8	0.0339	251.8
R 16.5X1.4X76.2	16.5	1.40	76.2	0.0303	279.9
R 16.5X1.4X88.9	16.5	1.40	88.9	0.0244	341.5
R 16.5X1.4X89	16.5	1.40	89.0	0.0244	341.6
R 16.5X1.4X101.6	16.5	1.40	101.6	0.0205	403.1
R 16.5X1.4X102	16.5	1.40	102.0	0.0201	408.9
R 16.5X1.6X38	16.5	1.60	38.0	0.2125	79.5
R 16.5X1.6X38.1	16.5	1.60	38.1	0.2125	79.6
R 16.5X1.6X44.4	16.5	1.60	44.4	0.1495	103.4
R 16.5X1.6X45	16.5	1.60	45.0	0.1495	104.0
R 16.5X1.6X50.8	16.5	1.60	50.8	0.1153	127.3
R 16.5X1.6X57.2	16.5	1.60	57.2	0.0939	151.2
R 16.5X1.6X63.5	16.5	1.60	63.5	0.0792	175.0
R 16.5X1.6X69.8	16.5	1.60	69.8	0.0684	198.8
R 16.5X1.6X76.2	16.5	1.60	76.2	0.0602	222.6
R 16.5X1.6X88.9	16.5	1.60	88.9	0.0486	270.3
R 16.5X1.6X101.6	16.5	1.60	101.6	0.0408	318.0
R 16.5X1.6X102	16.5	1.60	102.0	0.0408	318.4
R 16.5X1.6X114.3	16.5	1.60	114.3	0.0351	365.7
R 16.5X1.6X115	16.5	1.60	115.0	0.0351	366.4
R 16.5X1.6X127	16.5	1.60	127.0	0.0308	413.3
R 16.5X1.7X38	16.5	1.70	38.0	0.2763	75.5
R 16.5X1.75X38	16.5	1.75	38.0	0.3503	70.0
R 16.5X1.75X38.1	16.5	1.75	38.1	0.3503	70.1
R 16.5X1.75X44.4	16.5	1.75	44.4	0.2382	91.4
R 16.5X1.75X50.8	16.5	1.75	50.8	0.1805	112.9
R 16.5X1.75X57.2	16.5	1.75	57.2	0.1527	130.6
R 16.5X1.75X63.5	16.5	1.75	63.5	0.1267	151.9
R 16.5X1.75X64	16.5	1.75	64.0	0.1267	152.4
R 16.5X1.75X69.8	16.5	1.75	69.8	0.1083	173.3
R 16.5X1.75X76	16.5	1.75	76.0	0.0976	190.8
R 16.5X1.75X76.2	16.5	1.75	76.2	0.0976	191.0
R 16.5X1.75X88.9	16.5	1.75	88.9	0.0794	230.0
R 16.5X1.75X101.6	16.5	1.75	101.6	0.0654	272.8
R 16.5X1.75X102	16.5	1.75	102.0	0.0654	273.2
R 16.5X1.75X114.3	16.5	1.75	114.3	0.0567	311.8
R 16.5X1.75X115	16.5	1.75	115.0	0.0567	312.5
R 16.5X1.75X127	16.5	1.75	127.0	0.0500	350.9
R 16.5X1.8X38	16.5	1.80	38.0	0.3961	68.5
R 16.5X1.9X38	16.5	1.90	38.0	0.5019	65.8
R 16.5X1.9X38.1	16.5	1.90	38.1	0.5019	65.9

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 16.5X2X38	16.5	2.00	38.0	0.6290	63.4
R 16.6X1.6X73	16.6	1.60	73.0	0.0628	212.8
R 16.6X1.8X44	16.6	1.80	44.0	0.2869	85.9
R 16.7X1.4X57	16.7	1.40	57.0	0.0465	188.5
R 16.7X1.4X64	16.7	1.40	64.0	0.0383	223.4
R 16.7X1.4X70	16.7	1.40	70.0	0.0326	257.4
R 16.7X1.4X89	16.7	1.40	89.0	0.0235	349.1
R 16.7X1.4X220	16.7	1.40	220.0	0.0078	1006.0
R 16.7X1.6X83	16.7	1.60	83.0	0.0517	251.9
R 16.7X1.6X89	16.7	1.60	89.0	0.0467	275.9
R 16.7X1.6X300	16.7	1.60	300.0	0.0112	1081.5
R 17X1.4X76	17.0	1.40	76.0	0.0275	295.0
R 17X1.6X39.7	17.0	1.60	39.7	0.1741	89.1
R 17X1.6X49.3	17.0	1.60	49.3	0.1108	127.0
R 17X1.6X63	17.0	1.60	63.0	0.0746	178.3
R 17X1.6X70	17.0	1.60	70.0	0.0641	204.1
R 17X1.6X120	17.0	1.60	120.0	0.0302	404.8
R 17X1.6X300	17.0	1.60	300.0	0.0106	1111.9
R 17.2X1.25X39.8	17.2	1.25	39.8	0.0490	129.6
R 17.2X1.25X56.1	17.2	1.25	56.1	0.0240	239.3
R 17.2X1.25X70.8	17.2	1.25	70.8	0.0168	333.0
R 17.2X1.25X91.9	17.2	1.25	91.9	0.0115	476.2
R 17.2X1.25X220	17.2	1.25	220.0	0.0039	1344.1
R 17.2X1.25X300	17.2	1.25	300.0	0.0028	1883.8
R 17.4X1.12X141	17.4	1.12	141.0	0.0036	1046.4
R 17.4X2X60	17.4	2.00	60.0	0.2412	123.3
R 17.4X2X89	17.4	2.00	89.0	0.1373	200.3
R 17.4X2X136	17.4	2.00	136.0	0.0790	329.4
R 17.4X2X140	17.4	2.00	140.0	0.0763	340.3
R 17.4X2.3X120	17.4	2.30	120.0	0.1948	233.4
R 17.5X1.6X215	17.5	1.60	215.0	0.0139	819.1
R 17.5X2.1X143	17.5	2.10	143.0	0.0960	323.2
R 17.5X2.7X65	17.5	2.70	65.0	1.0775	96.0
R 17.5X2.7X102	17.5	2.70	102.0	0.5661	161.0
R 17.5X2.7X108	17.5	2.70	108.0	0.5302	171.0
R 17.5X2.7X185	17.5	2.70	185.0	0.2760	306.1
R 17.5X2.7X320	17.5	2.70	320.0	0.1511	541.2
R 17.6X1.6X43.8	17.6	1.60	43.8	0.1417	102.8
R 17.6X1.6X64.6	17.6	1.60	64.6	0.0665	190.2
R 17.6X1.6X80	17.6	1.60	80.0	0.0472	256.9
R 17.6X1.6X88.6	17.6	1.60	88.6	0.0413	291.1

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 17.6X1.6X99.8	17.6	1.60	99.8	0.0351	338.2
R 17.6X1.6X111	17.6	1.60	111.0	0.0305	385.3
R 17.6X1.6X123	17.6	1.60	123.0	0.0265	438.3
R 17.6X1.6X136	17.6	1.60	136.0	0.0235	492.3
R 17.6X1.6X149	17.6	1.60	149.0	0.0210	546.3
R 17.6X1.6X220	17.6	1.60	220.0	0.0133	848.0
R 17.6X1.6X300	17.6	1.60	300.0	0.0094	1184.3
R 17.8X2.7X67	17.8	2.70	67.0	0.9530	101.6
R 17.8X3X48	17.8	3.00	48.0	2.9947	62.5
R 17.9X2.35X104	17.9	2.35	104.0	0.2395	199.4
R 18X2X48.4	18.0	2.00	48.4	0.3184	95.1
R 18X2X87.4	18.0	2.00	87.4	0.1263	205.0
R 18X2X104	18.0	2.00	104.0	0.1007	251.5
R 18X2X118	18.0	2.00	118.0	0.0856	291.6
R 18X2X132	18.0	2.00	132.0	0.0744	331.7
R 18X2X148	18.0	2.00	148.0	0.0647	377.6
R 18X2X164	18.0	2.00	164.0	0.0573	423.4
R 18X2X180	18.0	2.00	180.0	0.0513	469.3
R 18X2.5X48.3	18.0	2.50	48.3	1.0178	74.6
R 18X2.5X63.3	18.0	2.50	63.3	0.6477	104.6
R 18X2.5X123	18.0	2.50	123.0	0.2705	221.9
R 18X3X105.5	18.0	3.00	105.5	0.8891	153.8
R 18X3X123.5	18.0	3.00	123.5	0.7299	182.3
R 18X3X144.5	18.0	3.00	144.5	0.6037	215.6
R 18X3X162.5	18.0	3.00	162.5	0.5258	244.1
R 18X3X183.5	18.0	3.00	183.5	0.4570	277.4
R 18X3X207.5	18.0	3.00	207.5	0.3976	315.4
R 18X3X231.5	18.0	3.00	231.5	0.3518	353.5
R 18X3.6X56.9	18.0	3.60	56.9	5.4576	69.4
R 18X3.6X63.5	18.0	3.60	63.5	4.9830	77.1
R 18X3.6X69.8	18.0	3.60	69.8	4.2448	85.8
R 18X3.6X78.5	18.0	3.60	78.5	3.4730	98.1
R 18X3.6X88.9	18.0	3.60	88.9	3.0976	110.8
R 18X3.6X111	18.0	3.60	111.0	2.2472	141.2
R 18X3.6X165	18.0	3.60	165.0	1.4149	213.0
R 18X3.6X237	18.0	3.60	237.0	0.9472	308.8
R 18.2X1.9X368	18.2	1.90	368.0	0.0170	1124.2
R 18.2X2.8X146	18.2	2.80	146.0	0.3941	236.4
R 18.2X3X81	18.2	3.00	81.0	1.2050	116.3
R 18.2X3X83	18.2	3.00	83.0	1.1462	120.1
R 18.2X3X180	18.2	3.00	180.0	0.4476	275.1

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 18.2X3.1X65	18.2	3.10	65.0	2.0242	87.9
R 18.3X2.5X75	18.3	2.50	75.0	0.4922	128.6
R 18.3X2.7X38	18.3	2.70	38.0	2.5929	50.4
R 18.5X2X41	18.5	2.00	41.0	0.4838	71.0
R 18.5X2X41.6	18.5	2.00	41.6	0.4269	75.6
R 18.5X2.5X54.1	18.5	2.50	54.1	0.7772	87.8
R 18.5X2.5X62	18.5	2.50	62.0	0.6268	103.7
R 18.5X2.5X80	18.5	2.50	80.0	0.4318	140.6
R 18.5X2.5X86.6	18.5	2.50	86.6	0.3810	155.3
R 18.5X2.5X100	18.5	2.50	100.0	0.3185	182.2
R 18.5X2.5X120	18.5	2.50	120.0	0.2524	223.7
R 18.5X2.5X124	18.5	2.50	124.0	0.2460	230.4
R 18.5X2.5X141	18.5	2.50	141.0	0.2089	266.2
R 18.5X2.5X159	18.5	2.50	159.0	0.1816	303.1
R 18.5X2.5X179	18.5	2.50	179.0	0.1580	344.7
R 18.5X2.5X199	18.5	2.50	199.0	0.1398	386.2
R 18.5X2.5X219	18.5	2.50	219.0	0.1254	427.7
R 18.6X1.6X98	18.6	1.60	98.0	0.0305	359.2
R 18.6X2X40	18.6	2.00	40.0	0.4751	70.4
R 18.6X2X65	18.6	2.00	65.0	0.1827	144.1
R 18.6X2X100	18.6	2.00	100.0	0.0950	252.1
R 18.6X2X120	18.6	2.00	120.0	0.0750	312.7
R 18.6X2X147	18.6	2.00	147.0	0.0589	392.4
R 18.6X2X160	18.6	2.00	160.0	0.0528	433.8
R 18.6X2X220	18.6	2.00	220.0	0.0365	615.5
R 18.6X2.3X95	18.6	2.30	95.0	0.2158	192.0
R 18.7X2.35X80	18.7	2.35	80.0	0.3025	152.9
R 18.7X2.35X146	18.7	2.35	146.0	0.1380	305.7
R 18.7X2.35X200	18.7	2.35	200.0	0.0954	431.1
R 18.7X2.5X203	18.7	2.50	203.0	0.1309	401.2
R 18.7X2.7X45	18.7	2.70	45.0	1.7624	63.0
R 18.7X2.7X57	18.7	2.70	57.0	1.0574	87.0
R 18.7X2.7X67	18.7	2.70	67.0	0.8528	104.2
R 18.7X2.7X73	18.7	2.70	73.0	0.7145	117.4
R 18.7X2.7X140	18.7	2.70	140.0	0.3110	242.0
R 18.7X2.7X200	18.7	2.70	200.0	0.2018	357.2
R 19X1.2X48	19.0	1.20	48.0	0.0227	207.9
R 19X1.2X54	19.0	1.20	54.0	0.0174	262.4
R 19X1.2X65	19.0	1.20	65.0	0.0119	370.3
R 19X1.2X67	19.0	1.20	67.0	0.0115	382.0
R 19X1.2X68	19.0	1.20	68.0	0.0112	392.7

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 19X1.2X70	19.0	1.20	70.0	0.0106	414.1
R 19X1.2X75	19.0	1.20	75.0	0.0095	457.9
R 19X1.2X76	19.0	1.20	76.0	0.0092	468.6
R 19X1.2X92	19.0	1.20	92.0	0.0070	610.6
R 19X1.2X98	19.0	1.20	98.0	0.0064	665.0
R 19X1.2X102	19.0	1.20	102.0	0.0061	698.1
R 19X1.2X110	19.0	1.20	110.0	0.0055	774.0
R 19X1.2X115	19.0	1.20	115.0	0.0052	817.7
R 19X1.2X148	19.0	1.20	148.0	0.0037	1122.1
R 19X1.2X165	19.0	1.20	165.0	0.0033	1274.8
R 19X1.2X172	19.0	1.20	172.0	0.0031	1340.0
R 19X1.2X178	19.0	1.20	178.0	0.0030	1394.5
R 19X1.2X203	19.0	1.20	203.0	0.0026	1623.0
R 19X1.2X215	19.0	1.20	215.0	0.0024	1731.9
R 19X1.2X290	19.0	1.20	290.0	0.0017	2408.0
R 19X1.25X44.4	19.0	1.25	44.4	0.0329	167.3
R 19X1.25X50.8	19.0	1.25	50.8	0.0240	219.2
R 19X1.25X57.2	19.0	1.25	57.2	0.0189	271.2
R 19X1.25X63	19.0	1.25	63.0	0.0156	322.5
R 19X1.25X63.5	19.0	1.25	63.5	0.0156	323.0
R 19X1.25X69.8	19.0	1.25	69.8	0.0133	374.8
R 19X1.25X76.2	19.0	1.25	76.2	0.0116	426.7
R 19X1.25X82.6	19.0	1.25	82.6	0.0102	478.6
R 19X1.25X88.9	19.0	1.25	88.9	0.0090	539.6
R 19X1.25X97	19.0	1.25	97.0	0.0080	602.3
R 19X1.25X98	19.0	1.25	98.0	0.0079	612.4
R 19X1.25X101.6	19.0	1.25	101.6	0.0075	643.3
R 19X1.25X102	19.0	1.25	102.0	0.0075	643.7
R 19X1.25X106	19.0	1.25	106.0	0.0071	675.0
R 19X1.25X109	19.0	1.25	109.0	0.0068	705.3
R 19X1.25X112	19.0	1.25	112.0	0.0066	726.6
R 19X1.25X114.3	19.0	1.25	114.3	0.0064	747.1
R 19X1.25X115	19.0	1.25	115.0	0.0064	747.8
R 19X1.25X121	19.0	1.25	121.0	0.0060	799.3
R 19X1.25X139.7	19.0	1.25	139.7	0.0050	954.6
R 19X1.25X152	19.0	1.25	152.0	0.0045	1057.9
R 19X1.25X152.4	19.0	1.25	152.4	0.0045	1058.3
R 19X1.3X41	19.0	1.30	41.0	0.0500	131.0
R 19X1.3X54	19.0	1.30	54.0	0.0256	229.7
R 19X1.3X62	19.0	1.30	62.0	0.0198	289.1
R 19X1.3X70	19.0	1.30	70.0	0.0161	348.5

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 19X1.3X73	19.0	1.30	73.0	0.0152	368.7
R 19X1.3X76	19.0	1.30	76.0	0.0140	397.4
R 19X1.3X98	19.0	1.30	98.0	0.0096	565.1
R 19X1.3X134	19.0	1.30	134.0	0.0064	832.5
R 19X1.4X44.4	19.0	1.40	44.4	0.0574	139.9
R 19X1.4X50	19.0	1.40	50.0	0.0435	176.0
R 19X1.4X50.8	19.0	1.40	50.8	0.0435	176.8
R 19X1.4X57	19.0	1.40	57.0	0.0334	221.2
R 19X1.4X57.2	19.0	1.40	57.2	0.0334	221.4
R 19X1.4X63.5	19.0	1.40	63.5	0.0282	258.2
R 19X1.4X64	19.0	1.40	64.0	0.0271	266.4
R 19X1.4X69.8	19.0	1.40	69.8	0.0235	302.7
R 19X1.4X70	19.0	1.40	70.0	0.0235	302.9
R 19X1.4X76	19.0	1.40	76.0	0.0208	339.5
R 19X1.4X76.2	19.0	1.40	76.2	0.0208	339.7
R 19X1.4X88.9	19.0	1.40	88.9	0.0165	421.1
R 19X1.4X89	19.0	1.40	89.0	0.0161	428.8
R 19X1.6X41	19.0	1.60	41.0	0.1491	93.5
R 19X1.6X44.4	19.0	1.60	44.4	0.1207	109.3
R 19X1.6X46	19.0	1.60	46.0	0.1102	117.1
R 19X1.6X48	19.0	1.60	48.0	0.0939	131.4
R 19X1.6X50	19.0	1.60	50.0	0.0874	139.6
R 19X1.6X50.8	19.0	1.60	50.8	0.0874	140.4
R 19X1.6X57	19.0	1.60	57.0	0.0685	171.4
R 19X1.6X57.2	19.0	1.60	57.2	0.0685	171.6
R 19X1.6X60	19.0	1.60	60.0	0.0618	186.7
R 19X1.6X63	19.0	1.60	63.0	0.0563	202.1
R 19X1.6X63.5	19.0	1.60	63.5	0.0563	202.6
R 19X1.6X64	19.0	1.60	64.0	0.0539	209.3
R 19X1.6X69.8	19.0	1.60	69.8	0.0478	233.6
R 19X1.6X70	19.0	1.60	70.0	0.0478	233.8
R 19X1.6X76	19.0	1.60	76.0	0.0416	264.5
R 19X1.6X76.2	19.0	1.60	76.2	0.0416	264.7
R 19X1.6X88.9	19.0	1.60	88.9	0.0329	326.9
R 19X1.6X89	19.0	1.60	89.0	0.0329	327.0
R 19X1.6X101.6	19.0	1.60	101.6	0.0273	389.0
R 19X1.6X102	19.0	1.60	102.0	0.0273	389.4
R 19X1.6X108	19.0	1.60	108.0	0.0251	420.2
R 19X1.6X112	19.0	1.60	112.0	0.0237	442.7
R 19X1.6X114.3	19.0	1.60	114.3	0.0233	451.2
R 19X1.6X115	19.0	1.60	115.0	0.0228	458.1

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 19X1.6X127	19.0	1.60	127.0	0.0203	513.3
R 19X1.6X139.7	19.0	1.60	139.7	0.0180	575.5
R 19X1.6X140	19.0	1.60	140.0	0.0180	575.8
R 19X1.6X215	19.0	1.60	215.0	0.0108	941.3
R 19X1.75X44.4	19.0	1.75	44.4	0.1773	100.5
R 19X1.75X50	19.0	1.75	50.0	0.1379	122.2
R 19X1.75X50.8	19.0	1.75	50.8	0.1379	123.0
R 19X1.75X57	19.0	1.75	57.0	0.1064	150.6
R 19X1.75X57.2	19.0	1.75	57.2	0.1064	150.8
R 19X1.75X63.5	19.0	1.75	63.5	0.0866	178.4
R 19X1.75X64	19.0	1.75	64.0	0.0866	178.9
R 19X1.75X69.8	19.0	1.75	69.8	0.0760	200.8
R 19X1.75X70	19.0	1.75	70.0	0.0760	201.0
R 19X1.75X76	19.0	1.75	76.0	0.0653	228.4
R 19X1.75X76.2	19.0	1.75	76.2	0.0653	228.6
R 19X1.75X88.9	19.0	1.75	88.9	0.0524	278.7
R 19X1.75X89	19.0	1.75	89.0	0.0524	278.8
R 19X1.75X101.6	19.0	1.75	101.6	0.0438	328.8
R 19X1.75X102	19.0	1.75	102.0	0.0428	334.5
R 19X1.75X114.3	19.0	1.75	114.3	0.0369	384.3
R 19X1.75X115	19.0	1.75	115.0	0.0369	385.0
R 19X1.75X127	19.0	1.75	127.0	0.0324	434.4
R 19X1.75X140	19.0	1.75	140.0	0.0289	484.8
R 19X1.8X63	19.0	1.80	63.0	0.1025	167.6
R 19X1.8X64	19.0	1.80	64.0	0.1025	168.6
R 19X1.8X106	19.0	1.80	106.0	0.0472	333.1
R 19X1.8X215	19.0	1.80	215.0	0.0201	748.4
R 19X1.9X44.4	19.0	1.90	44.4	0.2795	88.7
R 19X1.9X48	19.0	1.90	48.0	0.2309	101.7
R 19X1.9X50	19.0	1.90	50.0	0.2124	108.3
R 19X1.9X50.8	19.0	1.90	50.8	0.2124	109.1
R 19X1.9X57	19.0	1.90	57.0	0.1609	134.0
R 19X1.9X57.2	19.0	1.90	57.2	0.1609	134.2
R 19X1.9X63.5	19.0	1.90	63.5	0.1362	154.5
R 19X1.9X64	19.0	1.90	64.0	0.1362	155.0
R 19X1.9X69.8	19.0	1.90	69.8	0.1180	174.8
R 19X1.9X70	19.0	1.90	70.0	0.1130	179.7
R 19X1.9X76	19.0	1.90	76.0	0.1002	199.6
R 19X1.9X76.2	19.0	1.90	76.2	0.1002	199.8
R 19X1.9X88.9	19.0	1.90	88.9	0.0817	240.5
R 19X1.9X89	19.0	1.90	89.0	0.0793	245.3

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 19X1.9X95	19.0	1.90	95.0	0.0727	265.3
R 19X1.9X101.6	19.0	1.90	101.6	0.0672	285.9
R 19X1.9X102	19.0	1.90	102.0	0.0672	286.3
R 19X1.9X108	19.0	1.90	108.0	0.0610	311.0
R 19X1.9X111	19.0	1.90	111.0	0.0597	318.6
R 19X1.9X114.3	19.0	1.90	114.3	0.0571	331.3
R 19X1.9X115	19.0	1.90	115.0	0.0571	332.0
R 19X1.9X120	19.0	1.90	120.0	0.0536	351.0
R 19X1.9X127	19.0	1.90	127.0	0.0496	376.6
R 19X1.9X139.7	19.0	1.90	139.7	0.0446	417.3
R 19X1.9X140	19.0	1.90	140.0	0.0446	417.6
R 19X1.9X152	19.0	1.90	152.0	0.0399	462.3
R 19X1.9X152.4	19.0	1.90	152.4	0.0399	462.7
R 19X2X55	19.0	2.00	55.0	0.2288	117.1
R 19X2X102	19.0	2.00	102.0	0.0862	266.8
R 19X2X138	19.0	2.00	138.0	0.0587	379.8
R 19X2X152	19.0	2.00	152.0	0.0522	423.8
R 19X2X215	19.0	2.00	215.0	0.0351	619.5
R 19X2X235	19.0	2.00	235.0	0.0317	682.3
R 19X2X241	19.0	2.00	241.0	0.0309	701.1
R 19X2.2X50.8	19.0	2.20	50.8	0.4377	92.6
R 19X2.2X57.2	19.0	2.20	57.2	0.3471	109.9
R 19X2.2X63.5	19.0	2.20	63.5	0.2876	127.1
R 19X2.2X69.8	19.0	2.20	69.8	0.2455	144.3
R 19X2.2X76.2	19.0	2.20	76.2	0.2142	161.6
R 19X2.2X88.9	19.0	2.20	88.9	0.1766	192.4
R 19X2.2X101.6	19.0	2.20	101.6	0.1459	226.9
R 19X2.2X114.3	19.0	2.20	114.3	0.1243	261.4
R 19X2.2X127	19.0	2.20	127.0	0.1082	295.9
R 19X2.3X50	19.0	2.30	50.0	0.5830	85.3
R 19X2.3X70	19.0	2.30	70.0	0.3139	135.5
R 19X2.3X85	19.0	2.30	85.0	0.2400	170.7
R 19X2.3X108	19.0	2.30	108.0	0.1724	227.3
R 19X2.3X152	19.0	2.30	152.0	0.1103	338.4
R 19X2.3X165	19.0	2.30	165.0	0.1012	368.2
R 19X2.3X215	19.0	2.30	215.0	0.0742	492.1
R 19X2.3X280	19.0	2.30	280.0	0.0554	651.2
R 19X2.35X50	19.0	2.35	50.0	0.6411	83.9
R 19X2.35X57	19.0	2.35	57.0	0.4986	100.6
R 19X2.35X64	19.0	2.35	64.0	0.4080	117.3
R 19X2.35X70	19.0	2.35	70.0	0.3452	133.0

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 19X2.35X76	19.0	2.35	76.0	0.3131	145.5
R 19X2.35X89	19.0	2.35	89.0	0.2448	177.9
R 19X2.35X102	19.0	2.35	102.0	0.2071	207.1
R 19X2.35X115	19.0	2.35	115.0	0.1748	239.5
R 19X2.35X127	19.0	2.35	127.0	0.1547	267.6
R 19X2.4X50	19.0	2.40	50.0	0.7037	82.7
R 19X2.4X50.8	19.0	2.40	50.8	0.7037	83.5
R 19X2.4X57	19.0	2.40	57.0	0.5473	99.0
R 19X2.4X57.2	19.0	2.40	57.2	0.5473	99.2
R 19X2.4X63.5	19.0	2.40	63.5	0.4767	111.8
R 19X2.4X64	19.0	2.40	64.0	0.4478	115.4
R 19X2.4X69.8	19.0	2.40	69.8	0.3994	127.4
R 19X2.4X70	19.0	2.40	70.0	0.3994	127.6
R 19X2.4X76.2	19.0	2.40	76.2	0.3437	143.1
R 19X2.4X88.9	19.0	2.40	88.9	0.2788	171.4
R 19X2.4X101.6	19.0	2.40	101.6	0.2346	199.7
R 19X2.4X111	19.0	2.40	111.0	0.2081	221.5
R 19X2.4X114.3	19.0	2.40	114.3	0.1970	231.0
R 19X2.4X127	19.0	2.40	127.0	0.1739	259.3
R 19X2.4X139.7	19.0	2.40	139.7	0.1556	287.6
R 19X2.4X140	19.0	2.40	140.0	0.1556	287.9
R 19X2.4X152	19.0	2.40	152.0	0.1407	315.4
R 19X2.4X152.4	19.0	2.40	152.4	0.1381	319.0
R 19X2.5X50.8	19.0	2.50	50.8	0.8437	81.2
R 19X2.5X57.2	19.0	2.50	57.2	0.7087	93.3
R 19X2.5X63.5	19.0	2.50	63.5	0.5715	108.3
R 19X2.5X69.8	19.0	2.50	69.8	0.5062	120.4
R 19X2.5X76.2	19.0	2.50	76.2	0.4321	135.5
R 19X2.5X88.9	19.0	2.50	88.9	0.3474	162.6
R 19X2.5X101.6	19.0	2.50	101.6	0.2905	189.8
R 19X2.5X114.3	19.0	2.50	114.3	0.2495	216.9
R 19X2.5X127	19.0	2.50	127.0	0.2187	244.1
R 19X2.7X81	19.0	2.70	81.0	0.6098	132.4
R 19X2.7X85	19.0	2.70	85.0	0.5556	141.4
R 19X2.7X98	19.0	2.70	98.0	0.4546	166.9
R 19X2.7X103	19.0	2.70	103.0	0.4238	176.9
R 19X2.7X106	19.0	2.70	106.0	0.4099	182.4
R 19X2.7X136	19.0	2.70	136.0	0.3012	240.0
R 19X2.7X152	19.0	2.70	152.0	0.2632	271.0
R 19X2.7X165	19.0	2.70	165.0	0.2381	296.5
R 19X2.7X178	19.0	2.70	178.0	0.2213	319.6

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 19X2.7X190	19.0	2.70	190.0	0.2033	344.1
R 19X2.7X203	19.0	2.70	203.0	0.1880	369.6
R 19X2.7X215	19.0	2.70	215.0	0.1773	391.6
R 19X2.7X305	19.0	2.70	305.0	0.1208	564.3
R 19X2.8X50	19.0	2.80	50.0	1.5504	72.2
R 19X2.8X55	19.0	2.80	55.0	1.4027	79.5
R 19X2.8X57	19.0	2.80	57.0	1.2807	83.9
R 19X2.8X63	19.0	2.80	63.0	1.0910	94.6
R 19X2.8X69.8	19.0	2.80	69.8	0.8926	108.4
R 19X2.8X70	19.0	2.80	70.0	0.8926	108.6
R 19X2.8X76	19.0	2.80	76.0	0.7961	119.3
R 19X2.8X199	19.0	2.80	199.0	0.2357	345.1
R 19X2.9X50	19.0	2.90	50.0	2.0312	68.6
R 19X2.9X57	19.0	2.90	57.0	1.5014	82.1
R 19X2.9X64	19.0	2.90	64.0	1.2789	93.5
R 19X2.9X70	19.0	2.90	70.0	1.1139	103.9
R 19X2.9X76	19.0	2.90	76.0	0.9866	114.2
R 19X2.9X89	19.0	2.90	89.0	0.7674	138.2
R 19X2.9X102	19.0	2.90	102.0	0.6515	159.9
R 19X2.9X115	19.0	2.90	115.0	0.5481	183.8
R 19X2.9X127	19.0	2.90	127.0	0.4864	204.6
R 19X2.9X140	19.0	2.90	140.0	0.4371	226.3
R 19X2.9X152	19.0	2.90	152.0	0.3880	249.2
R 19X2.9X175	19.0	2.90	175.0	0.3289	289.7
R 19X2.9X302	19.0	2.90	302.0	0.1808	510.6
R 19X3X50.8	19.0	3.00	50.8	2.1207	70.2
R 19X3X57.2	19.0	3.00	57.2	1.7518	80.7
R 19X3X63.5	19.0	3.00	63.5	1.4923	91.1
R 19X3X69.8	19.0	3.00	69.8	1.2998	101.5
R 19X3X76.2	19.0	3.00	76.2	1.1512	112.0
R 19X3X88.9	19.0	3.00	88.9	0.9370	132.8
R 19X3X101.6	19.0	3.00	101.6	0.7900	153.7
R 19X3X114.3	19.0	3.00	114.3	0.6605	176.6
R 19X3X119	19.0	3.00	119.0	0.6396	183.4
R 19X3X127	19.0	3.00	127.0	0.5839	197.5
R 19X3X139.7	19.0	3.00	139.7	0.5233	218.4
R 19X3X152.4	19.0	3.00	152.4	0.4740	239.3
R 19X3.4X89	19.0	3.40	89.0	1.8390	119.8
R 19X3.4X178	19.0	3.40	178.0	0.7881	249.9
R 19.1X1.25X40	19.1	1.25	40.0	0.0460	127.6
R 19.1X1.25X50	19.1	1.25	50.0	0.0250	211.3

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 19.1X1.25X57	19.1	1.25	57.0	0.0186	273.6
R 19.1X1.25X60	19.1	1.25	60.0	0.0172	295.1
R 19.1X1.25X64	19.1	1.25	64.0	0.0153	326.7
R 19.1X1.25X70	19.1	1.25	70.0	0.0131	378.8
R 19.1X1.25X76	19.1	1.25	76.0	0.0114	430.9
R 19.1X1.25X80	19.1	1.25	80.0	0.0105	462.6
R 19.1X1.25X83	19.1	1.25	83.0	0.0098	493.2
R 19.1X1.25X89	19.1	1.25	89.0	0.0090	536.1
R 19.1X1.25X100	19.1	1.25	100.0	0.0076	630.1
R 19.1X1.25X120	19.1	1.25	120.0	0.0060	797.6
R 19.1X1.25X140	19.1	1.25	140.0	0.0049	965.1
R 19.1X1.25X160	19.1	1.25	160.0	0.0041	1132.6
R 19.1X1.25X180	19.1	1.25	180.0	0.0036	1300.1
R 19.1X1.25X200	19.1	1.25	200.0	0.0032	1467.6
R 19.1X1.25X220	19.1	1.25	220.0	0.0028	1635.1
R 19.1X1.25X300	19.1	1.25	300.0	0.0020	2305.1
R 19.1X1.4X40	19.1	1.40	40.0	0.0830	105.7
R 19.1X1.4X89	19.1	1.40	89.0	0.0162	425.4
R 19.1X1.4X220	19.1	1.40	220.0	0.0051	1283.4
R 19.1X1.6X40	19.1	1.60	40.0	0.1466	93.2
R 19.1X1.6X60	19.1	1.60	60.0	0.0608	188.3
R 19.1X1.6X80	19.1	1.60	80.0	0.0372	289.7
R 19.1X1.6X83	19.1	1.60	83.0	0.0361	299.0
R 19.1X1.6X89	19.1	1.60	89.0	0.0324	330.0
R 19.1X1.6X100	19.1	1.60	100.0	0.0274	384.9
R 19.1X1.6X115	19.1	1.60	115.0	0.0229	456.2
R 19.1X1.6X120	19.1	1.60	120.0	0.0213	486.2
R 19.1X1.6X127	19.1	1.60	127.0	0.0199	518.3
R 19.1X1.6X140	19.1	1.60	140.0	0.0177	581.4
R 19.1X1.6X160	19.1	1.60	160.0	0.0149	682.8
R 19.1X1.6X190	19.1	1.60	190.0	0.0123	825.5
R 19.1X1.6X200	19.1	1.60	200.0	0.0115	879.3
R 19.1X1.6X220	19.1	1.60	220.0	0.0103	974.4
R 19.1X1.6X240	19.1	1.60	240.0	0.0093	1075.8
R 19.1X1.6X300	19.1	1.60	300.0	0.0073	1367.5
R 19.1X2X60	19.1	2.00	60.0	0.1976	131.6
R 19.1X2X130	19.1	2.00	130.0	0.0633	353.3
R 19.1X2X220	19.1	2.00	220.0	0.0338	638.5
R 19.1X2.2X40	19.1	2.20	40.0	0.7607	63.9
R 19.1X2.2X50	19.1	2.20	50.0	0.4299	92.3
R 19.1X2.2X57	19.1	2.20	57.0	0.3410	110.4

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 19.1X2.2X60	19.1	2.20	60.0	0.3190	117.1
R 19.1X2.2X64	19.1	2.20	64.0	0.2825	128.4
R 19.1X2.2X70	19.1	2.20	70.0	0.2412	145.5
R 19.1X2.2X76	19.1	2.20	76.0	0.2197	158.8
R 19.1X2.2X80	19.1	2.20	80.0	0.2018	170.2
R 19.1X2.2X89	19.1	2.20	89.0	0.1735	193.9
R 19.1X2.2X100	19.1	2.20	100.0	0.1476	223.3
R 19.1X2.2X102	19.1	2.20	102.0	0.1433	229.0
R 19.1X2.2X115	19.1	2.20	115.0	0.1221	264.1
R 19.1X2.2X120	19.1	2.20	120.0	0.1163	276.5
R 19.1X2.2X127	19.1	2.20	127.0	0.1063	298.2
R 19.1X2.2X140	19.1	2.20	140.0	0.0960	329.6
R 19.1X2.2X160	19.1	2.20	160.0	0.0804	386.4
R 19.1X2.2X180	19.1	2.20	180.0	0.0701	439.6
R 19.1X2.2X200	19.1	2.20	200.0	0.0622	492.7
R 19.1X2.2X220	19.1	2.20	220.0	0.0559	545.8
R 19.1X2.2X280	19.1	2.20	280.0	0.0428	705.2
R 19.1X2.2X300	19.1	2.20	300.0	0.0397	758.4
R 19.1X2.2X320	19.1	2.20	320.0	0.0370	811.5
R 19.1X2.35X60	19.1	2.35	60.0	0.4560	107.5
R 19.1X2.35X83	19.1	2.35	83.0	0.2699	163.3
R 19.1X2.35X100	19.1	2.35	100.0	0.2099	203.2
R 19.1X2.35X143	19.1	2.35	143.0	0.1309	308.5
R 19.1X2.35X220	19.1	2.35	220.0	0.0801	490.4
R 19.1X2.5X60	19.1	2.50	60.0	0.6444	99.6
R 19.1X2.5X146	19.1	2.50	146.0	0.1794	288.2
R 19.1X2.5X200	19.1	2.50	200.0	0.1252	403.7
R 19.1X2.7X40	19.1	2.70	40.0	2.2317	54.0
R 19.1X2.7X48	19.1	2.70	48.0	1.4440	69.6
R 19.1X2.7X50	19.1	2.70	50.0	1.2920	74.1
R 19.1X2.7X57	19.1	2.70	57.0	1.0673	86.2
R 19.1X2.7X60	19.1	2.70	60.0	0.9092	94.3
R 19.1X2.7X64	19.1	2.70	64.0	0.8465	100.9
R 19.1X2.7X65	19.1	2.70	65.0	0.8465	101.9
R 19.1X2.7X70	19.1	2.70	70.0	0.7439	111.9
R 19.1X2.7X76	19.1	2.70	76.0	0.6294	125.6
R 19.1X2.7X80	19.1	2.70	80.0	0.5987	132.1
R 19.1X2.7X83	19.1	2.70	83.0	0.5709	137.6
R 19.1X2.7X89	19.1	2.70	89.0	0.5223	148.7
R 19.1X2.7X100	19.1	2.70	100.0	0.4463	169.9
R 19.1X2.7X102	19.1	2.70	102.0	0.4307	174.4

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 19.1X2.7X115	19.1	2.70	115.0	0.3664	200.1
R 19.1X2.7X120	19.1	2.70	120.0	0.3458	210.2
R 19.1X2.7X127	19.1	2.70	127.0	0.3273	222.3
R 19.1X2.7X140	19.1	2.70	140.0	0.2888	248.0
R 19.1X2.7X145	19.1	2.70	145.0	0.2758	258.1
R 19.1X2.7X160	19.1	2.70	160.0	0.2431	288.3
R 19.1X2.7X180	19.1	2.70	180.0	0.2135	326.1
R 19.1X2.7X185	19.1	2.70	185.0	0.2063	336.2
R 19.1X2.7X200	19.1	2.70	200.0	0.1903	363.9
R 19.1X2.7X220	19.1	2.70	220.0	0.1693	404.3
R 19.1X2.7X300	19.1	2.70	300.0	0.1209	558.0
R 19.1X2.7X320	19.1	2.70	320.0	0.1121	598.3
R 19.1X2.8X100	19.1	2.80	100.0	0.5258	165.2
R 19.1X2.8X200	19.1	2.80	200.0	0.2313	348.2
R 19.1X2.8X420	19.1	2.80	420.0	0.1022	755.6
R 19.1X3.2X57	19.1	3.20	57.0	2.5310	76.1
R 19.1X3.2X60	19.1	3.20	60.0	2.3109	80.9
R 19.1X3.2X64	19.1	3.20	64.0	2.1260	86.8
R 19.1X3.2X70	19.1	3.20	70.0	1.8328	96.4
R 19.1X3.2X76	19.1	3.20	76.0	1.6106	106.1
R 19.1X3.2X80	19.1	3.20	80.0	1.5186	111.9
R 19.1X3.2X89	19.1	3.20	89.0	1.2964	126.3
R 19.1X3.2X100	19.1	3.20	100.0	1.1309	142.8
R 19.1X3.2X102	19.1	3.20	102.0	1.0847	146.6
R 19.1X3.2X115	19.1	3.20	115.0	0.9325	166.9
R 19.1X3.2X120	19.1	3.20	120.0	0.8713	175.6
R 19.1X3.2X127	19.1	3.20	127.0	0.8177	186.2
R 19.1X3.2X140	19.1	3.20	140.0	0.7281	206.5
R 19.1X3.2X160	19.1	3.20	160.0	0.6253	237.4
R 19.1X3.2X180	19.1	3.20	180.0	0.5479	268.3
R 19.1X3.2X185	19.1	3.20	185.0	0.5262	277.0
R 19.1X3.2X200	19.1	3.20	200.0	0.4788	301.1
R 19.1X3.2X220	19.1	3.20	220.0	0.4321	332.0
R 19.1X3.2X240	19.1	3.20	240.0	0.3937	362.9
R 19.1X3.2X260	19.1	3.20	260.0	0.3616	393.9
R 19.1X3.2X280	19.1	3.20	280.0	0.3301	426.6
R 19.1X3.2X300	19.1	3.20	300.0	0.3072	457.6
R 19.1X3.6X100	19.1	3.60	100.0	2.1372	130.5
R 19.1X3.6X180	19.1	3.60	180.0	1.0563	241.8
R 19.1X3.6X215	19.1	3.60	215.0	0.8589	291.0
R 19.2X3.2X62	19.2	3.20	62.0	2.2678	83.3

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 19.2X3.2X80	19.2	3.20	80.0	1.4903	112.4
R 19.2X3.2X103	19.2	3.20	103.0	1.0645	148.3
R 19.2X3.2X120	19.2	3.20	120.0	0.8551	176.4
R 19.2X3.2X151	19.2	3.20	151.0	0.6603	224.0
R 19.2X3.2X160	19.2	3.20	160.0	0.6136	238.6
R 19.2X3.2X174	19.2	3.20	174.0	0.5609	260.0
R 19.2X3.2X196	19.2	3.20	196.0	0.4875	294.9
R 19.2X3.2X221	19.2	3.20	221.0	0.4241	334.7
R 19.2X3.2X247	19.2	3.20	247.0	0.3753	375.5
R 19.2X3.2X273	19.2	3.20	273.0	0.3365	416.3
R 19.4X0.85X47	19.4	0.85	47.0	0.0041	392.4
R 19.4X1.9X89	19.4	1.90	89.0	0.0762	248.7
R 19.5X2.7X73	19.5	2.70	73.0	0.6525	120.0
R 19.8X2.4X75	19.8	2.40	75.0	0.3130	146.1
R 19.9X1.2X57	19.9	1.20	57.0	0.0137	311.1
R 19.9X1.4X73	19.9	1.40	73.0	0.0196	341.7
R 20X1.4X50.8	20.0	1.40	50.8	0.0392	184.6
R 20X1.4X54	20.0	1.40	54.0	0.0348	205.1
R 20X1.4X55	20.0	1.40	55.0	0.0329	214.7
R 20X1.4X57.2	20.0	1.40	57.2	0.0297	234.2
R 20X1.4X63	20.0	1.40	63.0	0.0248	274.5
R 20X1.4X63.5	20.0	1.40	63.5	0.0248	275.0
R 20X1.4X69.8	20.0	1.40	69.8	0.0206	324.5
R 20X1.4X70	20.0	1.40	70.0	0.0206	324.7
R 20X1.4X75	20.0	1.40	75.0	0.0187	355.6
R 20X1.4X76	20.0	1.40	76.0	0.0182	365.2
R 20X1.4X76.2	20.0	1.40	76.2	0.0182	365.4
R 20X1.4X80	20.0	1.40	80.0	0.0167	395.1
R 20X1.4X81	20.0	1.40	81.0	0.0162	404.7
R 20X1.4X83	20.0	1.40	83.0	0.0158	415.4
R 20X1.4X85	20.0	1.40	85.0	0.0150	434.6
R 20X1.4X87	20.0	1.40	87.0	0.0147	445.3
R 20X1.4X89	20.0	1.40	89.0	0.0143	455.9
R 20X1.4X98	20.0	1.40	98.0	0.0123	525.3
R 20X1.4X100	20.0	1.40	100.0	0.0120	536.0
R 20X1.4X102	20.0	1.40	102.0	0.0116	555.2
R 20X1.4X109	20.0	1.40	109.0	0.0106	605.4
R 20X1.4X114.3	20.0	1.40	114.3	0.0101	636.6
R 20X1.4X115	20.0	1.40	115.0	0.0099	645.9
R 20X1.4X125	20.0	1.40	125.0	0.0089	716.4
R 20X1.4X139.7	20.0	1.40	139.7	0.0077	826.0

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 20X1.4X148	20.0	1.40	148.0	0.0071	886.1
R 20X1.4X152	20.0	1.40	152.0	0.0070	907.4
R 20X1.4X152.4	20.0	1.40	152.4	0.0069	916.4
R 20X1.4X160	20.0	1.40	160.0	0.0065	967.2
R 20X1.4X190	20.0	1.40	190.0	0.0053	1187.1
R 20X1.4X200	20.0	1.40	200.0	0.0050	1257.6
R 20X1.4X203	20.0	1.40	203.0	0.0049	1277.8
R 20X1.4X215	20.0	1.40	215.0	0.0046	1358.9
R 20X1.4X290	20.0	1.40	290.0	0.0033	1900.1
R 20X1.4X360	20.0	1.40	360.0	0.0026	2401.8
R 20X1.4X406	20.0	1.40	406.0	0.0023	2732.7
R 20X1.5X48.9	20.0	1.50	48.9	0.0603	153.5
R 20X1.5X70	20.0	1.50	70.0	0.0296	283.2
R 20X1.5X79	20.0	1.50	79.0	0.0243	338.7
R 20X1.5X90	20.0	1.50	90.0	0.0201	403.9
R 20X1.5X99	20.0	1.50	99.0	0.0175	459.4
R 20X1.5X109	20.0	1.50	109.0	0.0152	523.7
R 20X1.5X121	20.0	1.50	121.0	0.0132	597.7
R 20X1.5X133	20.0	1.50	133.0	0.0117	671.7
R 20X1.6X54	20.0	1.60	54.0	0.0691	162.5
R 20X1.6X55	20.0	1.60	55.0	0.0650	170.5
R 20X1.6X57.2	20.0	1.60	57.2	0.0612	179.7
R 20X1.6X63	20.0	1.60	63.0	0.0498	213.5
R 20X1.6X63.5	20.0	1.60	63.5	0.0498	214.0
R 20X1.6X65	20.0	1.60	65.0	0.0476	222.5
R 20X1.6X68	20.0	1.60	68.0	0.0437	239.5
R 20X1.6X69.8	20.0	1.60	69.8	0.0420	248.3
R 20X1.6X70	20.0	1.60	70.0	0.0420	248.5
R 20X1.6X73	20.0	1.60	73.0	0.0390	265.5
R 20X1.6X76	20.0	1.60	76.0	0.0363	282.5
R 20X1.6X76.2	20.0	1.60	76.2	0.0363	282.7
R 20X1.6X80	20.0	1.60	80.0	0.0330	307.5
R 20X1.6X81	20.0	1.60	81.0	0.0330	308.5
R 20X1.6X87	20.0	1.60	87.0	0.0294	342.5
R 20X1.6X88.9	20.0	1.60	88.9	0.0286	351.4
R 20X1.6X89	20.0	1.60	89.0	0.0286	351.5
R 20X1.6X92	20.0	1.60	92.0	0.0271	368.5
R 20X1.6X96	20.0	1.60	96.0	0.0252	393.5
R 20X1.6X100	20.0	1.60	100.0	0.0241	411.5
R 20X1.6X104	20.0	1.60	104.0	0.0226	436.5
R 20X1.6X105	20.0	1.60	105.0	0.0226	437.5

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 20X1.6X110	20.0	1.60	110.0	0.0212	463.5
R 20X1.6X111	20.0	1.60	111.0	0.0208	471.5
R 20X1.6X118	20.0	1.60	118.0	0.0193	506.5
R 20X1.6X124	20.0	1.60	124.0	0.0180	540.5
R 20X1.6X125	20.0	1.60	125.0	0.0177	548.5
R 20X1.6X130	20.0	1.60	130.0	0.0169	574.5
R 20X1.6X133	20.0	1.60	133.0	0.0164	591.5
R 20X1.6X138	20.0	1.60	138.0	0.0156	617.5
R 20X1.6X148	20.0	1.60	148.0	0.0144	669.5
R 20X1.6X152	20.0	1.60	152.0	0.0138	694.5
R 20X1.6X160	20.0	1.60	160.0	0.0130	737.5
R 20X1.6X168	20.0	1.60	168.0	0.0122	780.5
R 20X1.6X175	20.0	1.60	175.0	0.0117	815.5
R 20X1.6X178	20.0	1.60	178.0	0.0115	832.5
R 20X1.6X200	20.0	1.60	200.0	0.0100	952.5
R 20X1.6X210	20.0	1.60	210.0	0.0094	1004.5
R 20X1.6X241	20.0	1.60	241.0	0.0081	1168.5
R 20X1.6X298	20.0	1.60	298.0	0.0064	1477.5
R 20X1.6X305	20.0	1.60	305.0	0.0062	1512.5
R 20X1.6X360	20.0	1.60	360.0	0.0052	1812.5
R 20X1.7X70	20.0	1.70	70.0	0.0567	225.6
R 20X1.7X76	20.0	1.70	76.0	0.0487	257.1
R 20X1.7X89	20.0	1.70	89.0	0.0391	314.5
R 20X1.7X102	20.0	1.70	102.0	0.0319	378.4
R 20X1.7X115	20.0	1.70	115.0	0.0270	442.2
R 20X1.75X50.8	20.0	1.75	50.8	0.1258	126.6
R 20X1.75X57.2	20.0	1.75	57.2	0.0953	157.2
R 20X1.8X46	20.0	1.80	46.0	0.1867	101.0
R 20X1.8X55	20.0	1.80	55.0	0.1223	139.0
R 20X1.8X56.8	20.0	1.80	56.8	0.1144	146.6
R 20X1.8X63	20.0	1.80	63.0	0.0910	175.9
R 20X1.8X70	20.0	1.80	70.0	0.0755	206.1
R 20X1.8X73	20.0	1.80	73.0	0.0724	214.9
R 20X1.8X80	20.0	1.80	80.0	0.0622	245.1
R 20X1.8X85	20.0	1.80	85.0	0.0563	267.4
R 20X1.8X89	20.0	1.80	89.0	0.0530	283.0
R 20X1.8X92	20.0	1.80	92.0	0.0500	297.6
R 20X1.8X95	20.0	1.80	95.0	0.0473	312.2
R 20X1.8X97	20.0	1.80	97.0	0.0461	320.0
R 20X1.8X100	20.0	1.80	100.0	0.0449	328.8
R 20X1.8X108	20.0	1.80	108.0	0.0399	365.7

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 20X1.8X109	20.0	1.80	109.0	0.0399	366.7
R 20X1.8X115	20.0	1.80	115.0	0.0366	395.9
R 20X1.8X118	20.0	1.80	118.0	0.0358	404.7
R 20X1.8X123	20.0	1.80	123.0	0.0338	427.0
R 20X1.8X125	20.0	1.80	125.0	0.0332	434.8
R 20X1.8X130	20.0	1.80	130.0	0.0314	457.2
R 20X1.8X134	20.0	1.80	134.0	0.0303	472.8
R 20X1.8X136	20.0	1.80	136.0	0.0298	480.6
R 20X1.8X145	20.0	1.80	145.0	0.0275	518.5
R 20X1.8X152	20.0	1.80	152.0	0.0259	548.7
R 20X1.8X160	20.0	1.80	160.0	0.0241	585.7
R 20X1.8X170	20.0	1.80	170.0	0.0226	624.6
R 20X1.8X178	20.0	1.80	178.0	0.0212	661.6
R 20X1.8X200	20.0	1.80	200.0	0.0186	753.1
R 20X1.8X203	20.0	1.80	203.0	0.0182	767.7
R 20X1.8X215	20.0	1.80	215.0	0.0171	814.4
R 20X1.8X290	20.0	1.80	290.0	0.0122	1132.6
R 20X1.8X298	20.0	1.80	298.0	0.0119	1163.8
R 20X1.8X360	20.0	1.80	360.0	0.0096	1428.5
R 20X1.9X57.2	20.0	1.90	57.2	0.1444	139.3
R 20X1.9X63.5	20.0	1.90	63.5	0.1210	161.5
R 20X1.9X69.8	20.0	1.90	69.8	0.0995	189.0
R 20X1.9X70	20.0	1.90	70.0	0.0995	189.2
R 20X1.9X76	20.0	1.90	76.0	0.0878	211.1
R 20X1.9X76.2	20.0	1.90	76.2	0.0878	211.3
R 20X1.9X88.9	20.0	1.90	88.9	0.0689	261.1
R 20X1.9X89	20.0	1.90	89.0	0.0689	261.2
R 20X1.9X101.6	20.0	1.90	101.6	0.0582	305.6
R 20X1.9X102	20.0	1.90	102.0	0.0567	311.3
R 20X1.9X114.3	20.0	1.90	114.3	0.0492	355.4
R 20X1.9X115	20.0	1.90	115.0	0.0492	356.1
R 20X2X63	20.0	2.00	63.0	0.1597	148.2
R 20X2X80	20.0	2.00	80.0	0.1055	209.0
R 20X2X100	20.0	2.00	100.0	0.0766	277.6
R 20X2X125	20.0	2.00	125.0	0.0576	361.0
R 20X2X160	20.0	2.00	160.0	0.0420	483.6
R 20X2X200	20.0	2.00	200.0	0.0323	621.0
R 20X2X215	20.0	2.00	215.0	0.0299	670.0
R 20X2X360	20.0	2.00	360.0	0.0168	1170.3
R 20X2.2X48	20.0	2.20	48.0	0.4454	87.3
R 20X2.2X50.8	20.0	2.20	50.8	0.4030	94.3

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 20X2.2X57.2	20.0	2.20	57.2	0.3134	113.1
R 20X2.2X63	20.0	2.20	63.0	0.2565	131.3
R 20X2.2X63.5	20.0	2.20	63.5	0.2565	131.8
R 20X2.2X69.8	20.0	2.20	69.8	0.2170	150.5
R 20X2.2X70	20.0	2.20	70.0	0.2170	150.7
R 20X2.2X76	20.0	2.20	76.0	0.1881	169.2
R 20X2.2X76.2	20.0	2.20	76.2	0.1881	169.4
R 20X2.2X80	20.0	2.20	80.0	0.1727	181.4
R 20X2.2X88.9	20.0	2.20	88.9	0.1485	206.9
R 20X2.2X89	20.0	2.20	89.0	0.1485	207.0
R 20X2.2X90.9	20.0	2.20	90.9	0.1485	208.9
R 20X2.2X100	20.0	2.20	100.0	0.1263	238.7
R 20X2.2X101.6	20.0	2.20	101.6	0.1263	240.3
R 20X2.2X102	20.0	2.20	102.0	0.1227	244.8
R 20X2.2X112	20.0	2.20	112.0	0.1099	271.4
R 20X2.2X115	20.0	2.20	115.0	0.1071	278.5
R 20X2.2X118	20.0	2.20	118.0	0.1020	289.8
R 20X2.2X125	20.0	2.20	125.0	0.0951	309.2
R 20X2.2X134	20.0	2.20	134.0	0.0872	334.8
R 20X2.2X156	20.0	2.20	156.0	0.0723	398.2
R 20X2.2X160	20.0	2.20	160.0	0.0699	410.5
R 20X2.2X165	20.0	2.20	165.0	0.0677	423.8
R 20X2.2X165.1	20.0	2.20	165.1	0.0677	423.9
R 20X2.2X177.8	20.0	2.20	177.8	0.0618	461.4
R 20X2.2X178	20.0	2.20	178.0	0.0618	461.6
R 20X2.2X200	20.0	2.20	200.0	0.0539	525.0
R 20X2.2X360	20.0	2.20	360.0	0.0279	987.3
R 20X2.25X48	20.0	2.25	48.0	0.4915	85.8
R 20X2.25X103	20.0	2.25	103.0	0.1394	236.4
R 20X2.3X73	20.0	2.30	73.0	0.2508	151.6
R 20X2.3X76	20.0	2.30	76.0	0.2391	158.4
R 20X2.3X185	20.0	2.30	185.0	0.0751	447.6
R 20X2.3X190	20.0	2.30	190.0	0.0729	460.3
R 20X2.4X48	20.0	2.40	48.0	0.7294	78.2
R 20X2.4X50.8	20.0	2.40	50.8	0.5905	88.2
R 20X2.4X57.2	20.0	2.40	57.2	0.4960	101.7
R 20X2.4X63.5	20.0	2.40	63.5	0.4000	118.6
R 20X2.4X69.8	20.0	2.40	69.8	0.3543	132.1
R 20X2.4X70	20.0	2.40	70.0	0.3351	135.8
R 20X2.4X76	20.0	2.40	76.0	0.3024	148.9
R 20X2.4X83	20.0	2.40	83.0	0.2638	166.6

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 20X2.4X88.9	20.0	2.40	88.9	0.2431	179.6
R 20X2.4X89	20.0	2.40	89.0	0.2431	179.7
R 20X2.4X101.6	20.0	2.40	101.6	0.1968	213.7
R 20X2.4X102	20.0	2.40	102.0	0.1968	214.1
R 20X2.4X114.3	20.0	2.40	114.3	0.1699	244.1
R 20X2.4X115	20.0	2.40	115.0	0.1699	244.8
R 20X2.4X139.7	20.0	2.40	139.7	0.1305	308.7
R 20X2.4X165	20.0	2.40	165.0	0.1078	369.5
R 20X2.4X165.1	20.0	2.40	165.1	0.1078	369.6
R 20X2.4X177.8	20.0	2.40	177.8	0.0992	400.1
R 20X2.4X178	20.0	2.40	178.0	0.0976	403.9
R 20X2.4X190.5	20.0	2.40	190.5	0.0905	434.2
R 20X2.4X203	20.0	2.40	203.0	0.0844	464.5
R 20X2.4X203.2	20.0	2.40	203.2	0.0844	464.7
R 20X2.4X228.6	20.0	2.40	228.6	0.0734	529.2
R 20X2.4X229	20.0	2.40	229.0	0.0734	529.6
R 20X2.5X48.5	20.0	2.50	48.5	0.8736	76.6
R 20X2.5X50.8	20.0	2.50	50.8	0.7816	82.2
R 20X2.5X63	20.0	2.50	63.0	0.5121	111.0
R 20X2.5X63.5	20.0	2.50	63.5	0.5121	111.5
R 20X2.5X71	20.0	2.50	71.0	0.4243	128.9
R 20X2.5X76.2	20.0	2.50	76.2	0.3808	140.7
R 20X2.5X80	20.0	2.50	80.0	0.3454	151.1
R 20X2.5X86	20.0	2.50	86.0	0.3160	163.7
R 20X2.5X91	20.0	2.50	91.0	0.2912	175.3
R 20X2.5X100	20.0	2.50	100.0	0.2517	197.6
R 20X2.5X102	20.0	2.50	102.0	0.2435	202.9
R 20X2.5X112	20.0	2.50	112.0	0.2152	226.1
R 20X2.5X123.5	20.0	2.50	123.5	0.1929	250.8
R 20X2.5X125	20.0	2.50	125.0	0.1880	255.6
R 20X2.5X138	20.0	2.50	138.0	0.1669	285.2
R 20X2.5X139.7	20.0	2.50	139.7	0.1632	290.2
R 20X2.5X149	20.0	2.50	149.0	0.1500	312.7
R 20X2.5X152.4	20.0	2.50	152.4	0.1470	319.4
R 20X2.5X156	20.0	2.50	156.0	0.1442	326.3
R 20X2.5X160	20.0	2.50	160.0	0.1388	337.0
R 20X2.5X163.5	20.0	2.50	163.5	0.1362	343.8
R 20X2.5X165.1	20.0	2.50	165.1	0.1338	348.7
R 20X2.5X173	20.0	2.50	173.0	0.1269	366.5
R 20X2.5X177.8	20.0	2.50	177.8	0.1227	377.9
R 20X2.5X191	20.0	2.50	191.0	0.1134	407.6

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 20X2.5X193	20.0	2.50	193.0	0.1117	413.0
R 20X2.5X200	20.0	2.50	200.0	0.1068	429.9
R 20X2.5X203.2	20.0	2.50	203.2	0.1053	436.4
R 20X2.5X203.5	20.0	2.50	203.5	0.1053	436.7
R 20X2.5X211	20.0	2.50	211.0	0.1010	454.1
R 20X2.5X228.6	20.0	2.50	228.6	0.0922	494.9
R 20X2.5X360	20.0	2.50	360.0	0.0556	801.6
R 20X2.7X48	20.0	2.70	48.0	1.2302	72.4
R 20X2.7X70	20.0	2.70	70.0	0.6337	117.4
R 20X2.7X76	20.0	2.70	76.0	0.5652	129.2
R 20X2.7X89	20.0	2.70	89.0	0.4450	156.6
R 20X2.7X102	20.0	2.70	102.0	0.3669	183.9
R 20X2.7X115	20.0	2.70	115.0	0.3217	208.4
R 20X2.7X229	20.0	2.70	229.0	0.1385	446.0
R 20X2.7X406	20.0	2.70	406.0	0.0744	809.9
R 20X2.8X53.8	20.0	2.80	53.8	1.2954	79.3
R 20X2.8X70.6	20.0	2.80	70.6	0.7939	112.2
R 20X2.8X95.8	20.0	2.80	95.8	0.5023	161.6
R 20X2.8X112	20.0	2.80	112.0	0.4035	193.9
R 20X2.8X138	20.0	2.80	138.0	0.3039	246.8
R 20X2.8X146	20.0	2.80	146.0	0.2896	260.2
R 20X2.8X171	20.0	2.80	171.0	0.2390	309.3
R 20X2.8X194	20.0	2.80	194.0	0.2034	356.5
R 20X2.8X202	20.0	2.80	202.0	0.1969	369.9
R 20X2.8X210	20.0	2.80	210.0	0.1879	386.0
R 20X2.8X305	20.0	2.80	305.0	0.1237	572.3
R 20X2.9X83	20.0	2.90	83.0	0.7390	132.0
R 20X2.9X117	20.0	2.90	117.0	0.4575	196.2
R 20X2.9X185	20.0	2.90	185.0	0.2644	322.0
R 20X3X48	20.0	3.00	48.0	2.2395	65.7
R 20X3X50.8	20.0	3.00	50.8	1.9760	70.8
R 20X3X88.9	20.0	3.00	88.9	0.7812	139.5
R 20X3X101.6	20.0	3.00	101.6	0.6587	161.7
R 20X3X114.3	20.0	3.00	114.3	0.5694	183.8
R 20X3X139.7	20.0	3.00	139.7	0.4363	230.4
R 20X3X152.4	20.0	3.00	152.4	0.3952	252.5
R 20X3X158	20.0	3.00	158.0	0.3774	262.8
R 20X3X165.1	20.0	3.00	165.1	0.3612	274.6
R 20X3X168	20.0	3.00	168.0	0.3536	279.9
R 20X3X177.8	20.0	3.00	177.8	0.3326	296.7
R 20X3X179	20.0	3.00	179.0	0.3261	300.3

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 20X3X185	20.0	3.00	185.0	0.3139	311.0
R 20X3X190.5	20.0	3.00	190.5	0.3026	321.2
R 20X3X197	20.0	3.00	197.0	0.2921	332.4
R 20X3X203.2	20.0	3.00	203.2	0.2823	343.3
R 20X3X215	20.0	3.00	215.0	0.2645	364.6
R 20X3X228.6	20.0	3.00	228.6	0.2488	387.6
R 20X3X229	20.0	3.00	229.0	0.2488	388.0
R 20X3X242	20.0	3.00	242.0	0.2317	412.8
R 20X3X254	20.0	3.00	254.0	0.2196	434.2
R 20X3X298	20.0	3.00	298.0	0.1856	511.1
R 20X3.2X63	20.0	3.20	63.0	1.9590	86.9
R 20X3.2X82.6	20.0	3.20	82.6	1.2178	121.0
R 20X3.2X90.8	20.0	3.20	90.8	1.0990	133.3
R 20X3.2X118	20.0	3.20	118.0	0.7637	179.2
R 20X3.2X179	20.0	3.20	179.0	0.4645	279.6
R 20X3.2X190	20.0	3.20	190.0	0.4375	296.8
R 20X3.2X199	20.0	3.20	199.0	0.4134	312.1
R 20X3.2X210	20.0	3.20	210.0	0.3918	329.3
R 20X3.2X222	20.0	3.20	222.0	0.3663	349.6
R 20X3.2X236	20.0	3.20	236.0	0.3440	371.9
R 20X3.2X298	20.0	3.20	298.0	0.2635	475.4
R 20X4X63.2	20.0	4.00	63.2	6.0640	76.7
R 20X4X87.2	20.0	4.00	87.2	3.8589	108.5
R 20X4X123	20.0	4.00	123.0	2.5989	154.6
R 20.6X1.6X215	20.6	1.60	215.0	0.0084	1083.2
R 20.6X1.8X215	20.6	1.80	215.0	0.0156	859.4
R 20.6X2X215	20.6	2.00	215.0	0.0271	704.8
R 20.6X2.3X60	20.6	2.30	60.0	0.3446	115.8
R 20.6X2.3X102	20.6	2.30	102.0	0.1431	236.4
R 20.6X2.3X115	20.6	2.30	115.0	0.1240	270.0
R 20.6X2.3X324	20.6	2.30	324.0	0.0362	855.2
R 20.6X3X85	20.6	3.00	85.0	0.7762	134.8
R 20.6X3X102	20.6	3.00	102.0	0.5936	167.1
R 20.6X3X172	20.6	3.00	172.0	0.3121	295.8
R 20.6X3X300	20.6	3.00	300.0	0.1654	533.6
R 20.6X3.4X124	20.6	3.40	124.0	0.9388	180.9
R 20.7X1.6X215	20.7	1.60	215.0	0.0083	1093.4
R 20.7X2.3X75	20.7	2.30	75.0	0.2232	160.8
R 20.7X2.35X80	20.7	2.35	80.0	0.2235	170.7
R 20.7X2.35X152	20.7	2.35	152.0	0.0958	363.7
R 20.7X2.35X213	20.7	2.35	213.0	0.0641	529.5

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 20.7X2.7X102	20.7	2.70	102.0	0.3376	188.6
R 20.7X3.2X80	20.7	3.20	80.0	1.2080	117.7
R 20.7X3.2X83	20.7	3.20	83.0	1.1390	123.0
R 20.7X3.2X95	20.7	3.20	95.0	0.9271	144.1
R 20.7X3.2X200	20.7	3.20	200.0	0.3657	324.4
R 21X1.4X70	21.0	1.40	70.0	0.0182	346.3
R 21X1.4X76	21.0	1.40	76.0	0.0160	391.1
R 21X1.4X76.2	21.0	1.40	76.2	0.0160	391.3
R 21X1.4X88.9	21.0	1.40	88.9	0.0125	491.3
R 21X1.4X89	21.0	1.40	89.0	0.0125	491.4
R 21X1.4X95	21.0	1.40	95.0	0.0112	545.9
R 21X1.4X101.6	21.0	1.40	101.6	0.0103	591.3
R 21X1.4X102	21.0	1.40	102.0	0.0101	601.3
R 21X1.4X165	21.0	1.40	165.0	0.0054	1100.7
R 21X1.4X215	21.0	1.40	215.0	0.0040	1490.0
R 21X1.4X420	21.0	1.40	420.0	0.0019	3120.4
R 21X1.5X50.8	21.0	1.50	50.8	0.0515	168.4
R 21X1.5X57.2	21.0	1.50	57.2	0.0397	209.7
R 21X1.5X63.5	21.0	1.50	63.5	0.0309	259.5
R 21X1.5X69.8	21.0	1.50	69.8	0.0262	300.7
R 21X1.5X71	21.0	1.50	71.0	0.0253	310.6
R 21X1.5X76	21.0	1.50	76.0	0.0228	341.7
R 21X1.5X76.2	21.0	1.50	76.2	0.0228	341.9
R 21X1.5X85	21.0	1.50	85.0	0.0191	403.0
R 21X1.5X88.9	21.0	1.50	88.9	0.0176	433.0
R 21X1.5X89	21.0	1.50	89.0	0.0176	433.1
R 21X1.5X101.6	21.0	1.50	101.6	0.0146	515.4
R 21X1.5X102	21.0	1.50	102.0	0.0146	515.8
R 21X1.5X114.3	21.0	1.50	114.3	0.0123	606.5
R 21X1.5X115	21.0	1.50	115.0	0.0123	607.2
R 21X1.5X139.7	21.0	1.50	139.7	0.0096	771.3
R 21X1.5X152	21.0	1.50	152.0	0.0085	862.0
R 21X1.5X152.4	21.0	1.50	152.4	0.0085	862.4
R 21X1.6X83	21.0	1.60	83.0	0.0273	346.8
R 21X1.9X50.8	21.0	1.90	50.8	0.1657	119.5
R 21X1.9X92	21.0	1.90	92.0	0.0586	286.3
R 21X1.9X190	21.0	1.90	190.0	0.0225	695.1
R 21X1.9X197	21.0	1.90	197.0	0.0215	726.0
R 21X2X58.8	21.0	2.00	58.8	0.1639	138.5
R 21X2X68	21.0	2.00	68.0	0.1219	175.1
R 21X2X76	21.0	2.00	76.0	0.1011	205.1

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 21X2X87	21.0	2.00	87.0	0.0834	243.6
R 21X2X89	21.0	2.00	89.0	0.0806	251.1
R 21X2X108	21.0	2.00	108.0	0.0602	325.0
R 21X2X112	21.0	2.00	112.0	0.0573	340.0
R 21X2X121	21.0	2.00	121.0	0.0522	371.0
R 21X2X133	21.0	2.00	133.0	0.0461	415.9
R 21X2X136	21.0	2.00	136.0	0.0444	429.9
R 21X2X158	21.0	2.00	158.0	0.0368	512.4
R 21X2X165	21.0	2.00	165.0	0.0352	535.8
R 21X2X197	21.0	2.00	197.0	0.0285	655.7
R 21X2X215	21.0	2.00	215.0	0.0257	723.2
R 21X2.1X97	21.0	2.10	97.0	0.0903	261.6
R 21X2.1X148	21.0	2.10	148.0	0.0519	434.2
R 21X2.1X150	21.0	2.10	150.0	0.0510	441.3
R 21X2.1X210	21.0	2.10	210.0	0.0339	648.2
R 21X2.3X215	21.0	2.30	215.0	0.0535	568.8
R 21X2.4X152.4	21.0	2.40	152.4	0.1020	360.1
R 21.4X1.9X60	21.4	1.90	60.0	0.1155	157.0
R 21.4X1.9X89	21.4	1.90	89.0	0.0568	286.2
R 21.4X1.9X102	21.4	1.90	102.0	0.0477	336.8
R 21.4X1.9X120	21.4	1.90	120.0	0.0377	417.4
R 21.4X1.9X127	21.4	1.90	127.0	0.0348	449.4
R 21.4X1.9X200	21.4	1.90	200.0	0.0200	760.3
R 21.4X2.3X108	21.4	2.30	108.0	0.1186	265.1
R 21.4X2.5X65	21.4	2.50	65.0	0.4065	122.1
R 21.4X3X70	21.4	3.00	70.0	0.9135	111.0
R 21.5X1.9X57	21.5	1.90	57.0	0.1216	148.8
R 21.5X1.9X60	21.5	1.90	60.0	0.1138	158.1
R 21.5X1.9X64	21.5	1.90	64.0	0.1008	174.8
R 21.5X1.9X70	21.5	1.90	70.0	0.0860	199.8
R 21.5X1.9X76	21.5	1.90	76.0	0.0720	231.1
R 21.5X1.9X89	21.5	1.90	89.0	0.0578	282.1
R 21.5X1.9X102	21.5	1.90	102.0	0.0470	339.4
R 21.5X1.9X115	21.5	1.90	115.0	0.0396	396.8
R 21.5X1.9X120	21.5	1.90	120.0	0.0371	420.8
R 21.5X1.9X127	21.5	1.90	127.0	0.0349	446.8
R 21.5X1.9X140	21.5	1.90	140.0	0.0307	504.1
R 21.5X1.9X200	21.5	1.90	200.0	0.0197	766.7
R 21.5X2X97	21.5	2.00	97.0	0.0656	292.1
R 21.5X2.2X57	21.5	2.20	57.0	0.2656	119.1
R 21.5X2.2X70	21.5	2.20	70.0	0.1794	161.9

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 21.5X2.2X76	21.5	2.20	76.0	0.1544	182.8
R 21.5X2.2X95	21.5	2.20	95.0	0.1125	241.6
R 21.5X2.2X102	21.5	2.20	102.0	0.1021	263.5
R 21.5X2.2X108	21.5	2.20	108.0	0.0935	284.4
R 21.5X2.2X115	21.5	2.20	115.0	0.0862	306.3
R 21.5X2.2X160	21.5	2.20	160.0	0.0558	455.6
R 21.5X2.2X220	21.5	2.20	220.0	0.0384	649.7
R 21.5X2.7X60	21.5	2.70	60.0	0.7085	100.0
R 21.5X2.7X97	21.5	2.70	97.0	0.3195	185.7
R 21.5X2.7X198	21.5	2.70	198.0	0.1304	415.4
R 21.5X3.8X68	21.5	3.80	68.0	3.3311	88.6
R 21.6X1.4X50	21.6	1.40	50.0	0.0352	189.9
R 21.6X1.4X50.8	21.6	1.40	50.8	0.0352	190.7
R 21.6X1.4X57	21.6	1.40	57.0	0.0257	248.8
R 21.6X1.4X57.2	21.6	1.40	57.2	0.0257	249.0
R 21.6X1.4X63.5	21.6	1.40	63.5	0.0211	296.7
R 21.6X1.4X64	21.6	1.40	64.0	0.0202	307.6
R 21.6X1.4X69.8	21.6	1.40	69.8	0.0173	354.9
R 21.6X1.4X70	21.6	1.40	70.0	0.0173	355.1
R 21.6X1.6X50.2	21.6	1.60	50.2	0.0726	147.1
R 21.6X1.6X57	21.6	1.60	57.0	0.0506	196.0
R 21.6X1.6X57.2	21.6	1.60	57.2	0.0506	196.2
R 21.6X1.6X63.5	21.6	1.60	63.5	0.0407	236.2
R 21.6X1.6X64	21.6	1.60	64.0	0.0407	236.7
R 21.6X1.6X69.8	21.6	1.60	69.8	0.0341	276.2
R 21.6X1.6X70	21.6	1.60	70.0	0.0341	276.4
R 21.6X1.6X71	21.6	1.60	71.0	0.0341	277.4
R 21.6X1.6X76	21.6	1.60	76.0	0.0293	316.1
R 21.6X1.6X76.2	21.6	1.60	76.2	0.0293	316.3
R 21.6X1.6X85	21.6	1.60	85.0	0.0249	367.2
R 21.6X1.6X88.9	21.6	1.60	88.9	0.0229	396.4
R 21.6X1.6X89	21.6	1.60	89.0	0.0229	396.5
R 21.6X1.6X95	21.6	1.60	95.0	0.0211	427.8
R 21.6X1.6X117	21.6	1.60	117.0	0.0156	567.7
R 21.6X1.6X172	21.6	1.60	172.0	0.0094	917.5
R 21.6X1.9X57.2	21.6	1.90	57.2	0.1198	150.1
R 21.6X1.9X63.5	21.6	1.90	63.5	0.0992	175.6
R 21.6X1.9X69.8	21.6	1.90	69.8	0.0847	201.1
R 21.6X1.9X76.2	21.6	1.90	76.2	0.0709	233.1
R 21.6X1.9X88.9	21.6	1.90	88.9	0.0569	284.2
R 21.6X1.9X101.6	21.6	1.90	101.6	0.0463	341.8

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 21.6X1.9X114.3	21.6	1.90	114.3	0.0390	399.3
R 21.6X1.9X120	21.6	1.90	120.0	0.0366	424.2
R 21.6X1.9X127	21.6	1.90	127.0	0.0344	450.4
R 21.6X2.2X50	21.6	2.20	50.0	0.3441	97.7
R 21.6X2.2X50.8	21.6	2.20	50.8	0.3441	98.5
R 21.6X2.2X57	21.6	2.20	57.0	0.2615	119.8
R 21.6X2.2X57.2	21.6	2.20	57.2	0.2615	120.0
R 21.6X2.2X63.5	21.6	2.20	63.5	0.2109	141.4
R 21.6X2.2X64	21.6	2.20	64.0	0.2109	141.9
R 21.6X2.2X69.8	21.6	2.20	69.8	0.1767	162.8
R 21.6X2.2X70	21.6	2.20	70.0	0.1767	163.0
R 21.6X2.2X76	21.6	2.20	76.0	0.1520	184.1
R 21.6X2.2X76.2	21.6	2.20	76.2	0.1520	184.3
R 21.6X2.2X88.9	21.6	2.20	88.9	0.1233	222.1
R 21.6X2.2X89	21.6	2.20	89.0	0.1233	222.2
R 21.6X2.2X101.6	21.6	2.20	101.6	0.1006	264.9
R 21.6X2.2X102	21.6	2.20	102.0	0.1006	265.3
R 21.6X2.2X114.3	21.6	2.20	114.3	0.0849	307.8
R 21.6X2.2X115	21.6	2.20	115.0	0.0849	308.5
R 21.6X2.2X120	21.6	2.20	120.0	0.0788	328.6
R 21.6X2.2X120.6	21.6	2.20	120.6	0.0788	329.2
R 21.6X2.2X127	21.6	2.20	127.0	0.0735	350.7
R 21.6X2.2X139.7	21.6	2.20	139.7	0.0660	388.5
R 21.6X2.2X140	21.6	2.20	140.0	0.0647	393.8
R 21.6X2.2X152	21.6	2.20	152.0	0.0589	431.0
R 21.6X2.2X152.4	21.6	2.20	152.4	0.0589	431.4
R 21.8X2.1X100	21.8	2.10	100.0	0.0774	286.2
R 21.8X3X120	21.8	3.00	120.0	0.4072	210.7
R 21.9X2X64	21.9	2.00	64.0	0.1254	164.5
R 21.9X2.7X146	21.9	2.70	146.0	0.1758	304.8
R 22X1.9X95	22.0	1.90	95.0	0.0488	319.4
R 22X2X50.8	22.0	2.00	50.8	0.1940	115.5
R 22X2X54.8	22.0	2.00	54.8	0.1630	131.8
R 22X2X62.8	22.0	2.00	62.8	0.1235	164.5
R 22X2X70.8	22.0	2.00	70.8	0.0994	197.1
R 22X2X72.8	22.0	2.00	72.8	0.0948	205.3
R 22X2X80.8	22.0	2.00	80.8	0.0799	237.9
R 22X2X110	22.0	2.00	110.0	0.0516	353.4
R 22X2X111	22.0	2.00	111.0	0.0503	360.5
R 22X2X124	22.0	2.00	124.0	0.0438	410.5
R 22X2X138	22.0	2.00	138.0	0.0381	467.6

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 22X2X151	22.0	2.00	151.0	0.0337	523.8
R 22X2X154	22.0	2.00	154.0	0.0331	532.9
R 22X2X170	22.0	2.00	170.0	0.0293	598.2
R 22X2X186	22.0	2.00	186.0	0.0263	663.5
R 22X2X241	22.0	2.00	241.0	0.0193	891.0
R 22X2.2X63	22.0	2.20	63.0	0.2120	139.3
R 22X3.2X60.2	22.0	3.20	60.2	1.5311	88.5
R 22X3.2X79.4	22.0	3.20	79.4	0.9743	123.9
R 22X3.2X108	22.0	3.20	108.0	0.6562	174.1
R 22X3.2X156	22.0	3.20	156.0	0.4070	262.6
R 22X3.4X70	22.0	3.40	70.0	1.6925	100.0
R 22X3.4X76	22.0	3.40	76.0	1.4591	110.8
R 22X3.4X83	22.0	3.40	83.0	1.2822	122.6
R 22X4.5X70.3	22.0	4.50	70.3	7.4236	84.2
R 22X4.5X97.3	22.0	4.50	97.3	4.7241	119.1
R 22X4.5X138	22.0	4.50	138.0	3.0568	171.7
R 22.2X2X215	22.2	2.00	215.0	0.0216	791.4
R 22.2X2.3X85	22.2	2.30	85.0	0.1539	202.4
R 22.2X2.3X160	22.2	2.30	160.0	0.0640	442.2
R 22.2X2.3X298	22.2	2.30	298.0	0.0311	879.8
R 22.2X2.5X152	22.2	2.50	152.0	0.1073	361.9
R 22.2X3X64	22.2	3.00	64.0	1.0138	99.9
R 22.2X3X105	22.2	3.00	105.0	0.4572	184.6
R 22.2X3X148	22.2	3.00	148.0	0.2952	271.3
R 22.2X3X300	22.2	3.00	300.0	0.1288	582.5
R 22.2X3.4X80	22.2	3.40	80.0	1.3218	118.1
R 22.2X3.4X215	22.2	3.40	215.0	0.3759	349.1
R 22.2X3.4X229	22.2	3.40	229.0	0.3443	375.3
R 22.3X1.6X215	22.3	1.60	215.0	0.0066	1256.1
R 22.3X1.7X337	22.3	1.70	337.0	0.0054	1820.9
R 22.3X2.35X148	22.3	2.35	148.0	0.0791	389.0
R 22.3X2.7X60	22.3	2.70	60.0	0.6253	104.0
R 22.3X2.7X85	22.3	2.70	85.0	0.3508	163.4
R 22.3X2.7X108	22.3	2.70	108.0	0.2523	217.0
R 22.3X2.7X136	22.3	2.70	136.0	0.1820	287.1
R 22.3X2.7X215	22.3	2.70	215.0	0.1050	477.0
R 22.3X2.7X248	22.3	2.70	248.0	0.0893	555.9
R 22.3X2.7X320	22.3	2.70	320.0	0.0669	731.2
R 22.3X2.7X610	22.3	2.70	610.0	0.0335	1430.5
R 22.3X3.5X305	22.3	3.50	305.0	0.2894	492.0
R 22.3X3.6X229	22.3	3.60	229.0	0.4715	352.4

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 22.3X3.8X96	22.3	3.80	96.0	1.8135	132.8
R 22.5X2.5X60.5	22.5	2.50	60.5	0.3979	116.5
R 22.5X2.5X80	22.5	2.50	80.0	0.2551	167.3
R 22.5X2.5X93	22.5	2.50	93.0	0.1951	207.2
R 22.5X2.5X100	22.5	2.50	100.0	0.1809	223.2
R 22.5X2.5X120	22.5	2.50	120.0	0.1401	279.0
R 22.5X2.5X130	22.5	2.50	130.0	0.1259	306.9
R 22.5X2.5X148	22.5	2.50	148.0	0.1047	360.8
R 22.5X2.5X165	22.5	2.50	165.0	0.0930	404.6
R 22.5X2.5X185	22.5	2.50	185.0	0.0809	460.5
R 22.5X2.5X205	22.5	2.50	205.0	0.0716	516.3
R 22.5X2.5X225	22.5	2.50	225.0	0.0642	572.1
R 22.6X4.7X438	22.6	4.70	438.0	0.9906	551.6
R 23X2.5X57.2	23.0	2.50	57.2	0.4399	106.9
R 23X2.7X102	23.0	2.70	102.0	0.2442	211.8
R 23X3X88.9	23.0	3.00	88.9	0.5290	155.8
R 23X3X101.6	23.0	3.00	101.6	0.4389	182.2
R 23X3X114.3	23.0	3.00	114.3	0.3619	212.0
R 23X3X139.7	23.0	3.00	139.7	0.2826	264.9
R 23X3X152.4	23.0	3.00	152.4	0.2547	291.3
R 23X3X165.1	23.0	3.00	165.1	0.2318	317.7
R 23X3X177.8	23.0	3.00	177.8	0.2084	347.5
R 23X3.4X85	23.0	3.40	85.0	1.0958	129.7
R 23X3.4X89	23.0	3.40	89.0	1.0332	136.4
R 23X3.4X305	23.0	3.40	305.0	0.2218	525.9
R 23.1X2.5X673	23.1	2.50	673.0	0.0177	1901.2
R 23.1X3.8X165	23.1	3.80	165.0	0.8323	243.2
R 23.2X3.2X68.4	23.2	3.20	68.4	1.1611	104.2
R 23.2X3.2X80	23.2	3.20	80.0	0.8615	128.3
R 23.2X3.2X100	23.2	3.20	100.0	0.6211	166.9
R 23.2X3.2X110	23.2	3.20	110.0	0.5450	186.3
R 23.2X3.2X120	23.2	3.20	120.0	0.4685	208.7
R 23.2X3.2X158	23.2	3.20	158.0	0.3381	281.0
R 23.2X3.2X180	23.2	3.20	180.0	0.2872	324.8
R 23.2X3.2X202	23.2	3.20	202.0	0.2496	368.6
R 23.2X3.2X228	23.2	3.20	228.0	0.2171	419.5
R 23.2X3.2X254	23.2	3.20	254.0	0.1921	470.4
R 23.2X3.2X279	23.2	3.20	279.0	0.1723	520.3
R 23.8X1.8X215	23.8	1.80	215.0	0.0100	1102.7
R 23.8X2X215	23.8	2.00	215.0	0.0174	890.8
R 23.8X2.3X76	23.8	2.30	76.0	0.1551	185.9

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 23.8X2.3X120	23.8	2.30	120.0	0.0765	342.8
R 23.8X2.3X215	23.8	2.30	215.0	0.0361	687.3
R 23.9X1.6X215	23.9	1.60	215.0	0.0054	1421.5
R 23.9X2.7X81	23.9	2.70	81.0	0.3071	165.6
R 23.9X2.7X103	23.9	2.70	103.0	0.2144	224.1
R 23.9X2.7X140	23.9	2.70	140.0	0.1439	320.5
R 23.9X2.7X215	23.9	2.70	215.0	0.0842	523.5
R 23.9X2.7X320	23.9	2.70	320.0	0.0534	806.8
R 24X2.2X55.6	24.0	2.20	55.6	0.2194	124.1
R 24X2.2X68.8	24.0	2.20	68.8	0.1396	176.5
R 24X2.2X88.6	24.0	2.20	88.6	0.0903	255.0
R 24X2.2X122	24.0	2.20	122.0	0.0569	386.4
R 24X2.2X166	24.0	2.20	166.0	0.0381	560.9
R 24X3X115	24.0	3.00	115.0	0.3240	220.4
R 24X3X133	24.0	3.00	133.0	0.2660	261.4
R 24X3X154	24.0	3.00	154.0	0.2200	309.3
R 24X3X172	24.0	3.00	172.0	0.1916	350.3
R 24X3X193	24.0	3.00	193.0	0.1665	398.1
R 24X3X217	24.0	3.00	217.0	0.1449	452.8
R 24X3X241	24.0	3.00	241.0	0.1282	507.5
R 24X4X85.6	24.0	4.00	85.6	2.2483	117.6
R 24X4X141	24.0	4.00	141.0	1.1855	201.8
R 24X4X193	24.0	4.00	193.0	0.8049	282.5
R 24X4X217	24.0	4.00	217.0	0.7011	319.8
R 24X4X245	24.0	4.00	245.0	0.6093	363.2
R 24X4X277	24.0	4.00	277.0	0.5301	412.9
R 24X4X309	24.0	4.00	309.0	0.4691	462.6
R 24X4X341	24.0	4.00	341.0	0.4206	512.3
R 24X4.5X152.4	24.0	4.50	152.4	2.0487	199.8
R 24X4.5X165.1	24.0	4.50	165.1	1.8472	217.6
R 24X4.5X177.8	24.0	4.50	177.8	1.6818	235.5
R 24X4.5X190.5	24.0	4.50	190.5	1.5436	253.3
R 24X4.5X203.2	24.0	4.50	203.2	1.4634	269.5
R 24.2X3X95	24.2	3.00	95.0	0.4225	175.3
R 24.2X3X146	24.2	3.00	146.0	0.2309	292.9
R 24.2X3X300	24.2	3.00	300.0	0.0968	650.6
R 24.3X2.7X673	24.3	2.70	673.0	0.0226	1805.4
R 24.5X3X143	24.5	3.00	143.0	0.2275	290.6
R 24.6X3.2X200	24.6	3.20	200.0	0.2076	391.0
R 25X1.6X63	25.0	1.60	63.0	0.0316	259.9
R 25X1.6X80	25.0	1.60	80.0	0.0189	408.1

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 25X1.6X100	25.0	1.60	100.0	0.0132	571.3
R 25X1.6X115	25.0	1.60	115.0	0.0105	705.7
R 25X1.6X125	25.0	1.60	125.0	0.0094	787.3
R 25X1.6X160	25.0	1.60	160.0	0.0067	1084.8
R 25X1.6X200	25.0	1.60	200.0	0.0051	1423.1
R 25X1.6X360	25.0	1.60	360.0	0.0026	2776.3
R 25X1.75X63.5	25.0	1.75	63.5	0.0490	224.5
R 25X1.75X69.8	25.0	1.75	69.8	0.0390	272.3
R 25X1.75X70	25.0	1.75	70.0	0.0390	272.5
R 25X1.75X76.2	25.0	1.75	76.2	0.0338	309.9
R 25X1.75X88.9	25.0	1.75	88.9	0.0249	405.7
R 25X1.75X89	25.0	1.75	89.0	0.0249	405.8
R 25X1.75X101.6	25.0	1.75	101.6	0.0203	491.0
R 25X1.75X114.3	25.0	1.75	114.3	0.0171	576.4
R 25X1.75X115	25.0	1.75	115.0	0.0167	587.5
R 25X1.8X63	25.0	1.80	63.0	0.0591	207.1
R 25X1.8X80	25.0	1.80	80.0	0.0350	323.5
R 25X1.8X100	25.0	1.80	100.0	0.0241	452.8
R 25X1.8X125	25.0	1.80	125.0	0.0173	616.9
R 25X1.8X160	25.0	1.80	160.0	0.0125	840.7
R 25X1.8X200	25.0	1.80	200.0	0.0094	1109.3
R 25X1.8X360	25.0	1.80	360.0	0.0048	2143.8
R 25X2X63	25.0	2.00	63.0	0.0992	176.6
R 25X2X80	25.0	2.00	80.0	0.0595	269.3
R 25X2X100	25.0	2.00	100.0	0.0412	373.4
R 25X2X125	25.0	2.00	125.0	0.0301	499.4
R 25X2X160	25.0	2.00	160.0	0.0214	685.8
R 25X2X200	25.0	2.00	200.0	0.0162	894.1
R 25X2X360	25.0	2.00	360.0	0.0082	1727.1
R 25X2.2X63	25.0	2.20	63.0	0.1611	153.2
R 25X2.2X80	25.0	2.20	80.0	0.0982	227.9
R 25X2.2X100	25.0	2.20	100.0	0.0683	312.8
R 25X2.2X125	25.0	2.20	125.0	0.0497	417.2
R 25X2.2X160	25.0	2.20	160.0	0.0356	567.6
R 25X2.2X200	25.0	2.20	200.0	0.0270	737.5
R 25X2.2X360	25.0	2.20	360.0	0.0137	1424.2
R 25X2.3X83	25.0	2.30	83.0	0.1189	220.5
R 25X2.3X89	25.0	2.30	89.0	0.1037	246.6
R 25X2.3X96	25.0	2.30	96.0	0.0920	273.8
R 25X2.5X63	25.0	2.50	63.0	0.3038	130.2
R 25X2.5X80	25.0	2.50	80.0	0.1888	188.0

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 25X2.5X100	25.0	2.50	100.0	0.1318	254.8
R 25X2.5X125	25.0	2.50	125.0	0.0957	338.2
R 25X2.5X160	25.0	2.50	160.0	0.0692	454.9
R 25X2.5X200	25.0	2.50	200.0	0.0525	588.3
R 25X2.5X360	25.0	2.50	360.0	0.0268	1122.1
R 25X2.8X63	25.0	2.80	63.0	0.5451	113.5
R 25X2.8X80	25.0	2.80	80.0	0.3469	159.4
R 25X2.8X100	25.0	2.80	100.0	0.2435	213.1
R 25X2.8X112	25.0	2.80	112.0	0.2081	244.3
R 25X2.8X125	25.0	2.80	125.0	0.1761	281.4
R 25X2.8X143	25.0	2.80	143.0	0.1487	328.3
R 25X2.8X160	25.0	2.80	160.0	0.1258	378.9
R 25X2.8X171	25.0	2.80	171.0	0.1180	404.4
R 25X2.8X199	25.0	2.80	199.0	0.0978	480.5
R 25X2.8X200	25.0	2.80	200.0	0.0962	486.3
R 25X2.8X227	25.0	2.80	227.0	0.0836	556.6
R 25X2.8X360	25.0	2.80	360.0	0.0491	920.6
R 25X3.6X68.1	25.0	3.60	68.1	1.6628	100.1
R 25X3.6X122	25.0	3.60	122.0	0.7126	196.7
R 25X3.6X176	25.0	3.60	176.0	0.4420	296.4
R 25X3.6X185	25.0	3.60	185.0	0.4108	314.5
R 25X3.6X248	25.0	3.60	248.0	0.2934	429.3
R 25X3.6X272	25.0	3.60	272.0	0.2626	474.7
R 25X3.8X190.5	25.0	3.80	190.5	0.5372	304.4
R 25X4X76	25.0	4.00	76.0	2.4488	104.5
R 25X4X103	25.0	4.00	103.0	1.6092	146.4
R 25X4X117	25.0	4.00	117.0	1.3098	170.3
R 25X4X173	25.0	4.00	173.0	0.7933	261.0
R 25X4X215	25.0	4.00	215.0	0.6189	327.8
R 25X4.5X114.3	25.0	4.50	114.3	2.6211	150.2
R 25X4.5X139.7	25.0	4.50	139.7	1.9792	187.3
R 25X4.5X155	25.0	4.50	155.0	1.7633	208.4
R 25X4.5X156	25.0	4.50	156.0	1.7633	209.4
R 25X4.5X182	25.0	4.50	182.0	1.4475	247.1
R 25X4.5X183	25.0	4.50	183.0	1.4475	248.1
R 25X4.5X214	25.0	4.50	214.0	1.1973	292.7
R 25X4.5X215	25.0	4.50	215.0	1.1684	295.6
R 25X4.5X228.6	25.0	4.50	228.6	1.0897	315.1
R 25X4.5X241	25.0	4.50	241.0	1.0428	331.3
R 25X4.5X242	25.0	4.50	242.0	1.0209	334.3
R 25X4.5X254	25.0	4.50	254.0	0.9796	350.2

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 25X4.5X272	25.0	4.50	272.0	0.9064	375.9
R 25X4.5X273	25.0	4.50	273.0	0.9064	376.9
R 25X4.5X308	25.0	4.50	308.0	0.7885	427.5
R 25X4.5X309	25.0	4.50	309.0	0.7885	428.5
R 25X4.5X344	25.0	4.50	344.0	0.6977	479.0
R 25X4.5X345	25.0	4.50	345.0	0.6977	480.0
R 25X5X79	25.0	5.00	79.0	7.5800	95.2
R 25X5X109	25.0	5.00	109.0	4.8236	134.4
R 25X5X154	25.0	5.00	154.0	3.1212	193.2
R 25.4X1.6X63.5	25.4	1.60	63.5	0.0300	267.9
R 25.4X1.6X64	25.4	1.60	64.0	0.0300	268.4
R 25.4X1.6X69.8	25.4	1.60	69.8	0.0242	323.8
R 25.4X1.6X70	25.4	1.60	70.0	0.0242	324.0
R 25.4X1.6X76	25.4	1.60	76.0	0.0202	379.5
R 25.4X1.6X76.2	25.4	1.60	76.2	0.0202	379.7
R 25.4X1.6X82.6	25.4	1.60	82.6	0.0174	435.7
R 25.4X1.6X83	25.4	1.60	83.0	0.0174	436.1
R 25.4X1.6X89	25.4	1.60	89.0	0.0152	491.7
R 25.4X1.9X63.5	25.4	1.90	63.5	0.0706	201.0
R 25.4X1.9X64	25.4	1.90	64.0	0.0706	201.5
R 25.4X1.9X69.8	25.4	1.90	69.8	0.0585	235.7
R 25.4X1.9X70	25.4	1.90	70.0	0.0585	235.9
R 25.4X1.9X76	25.4	1.90	76.0	0.0499	270.4
R 25.4X1.9X76.2	25.4	1.90	76.2	0.0499	270.6
R 25.4X1.9X88.9	25.4	1.90	88.9	0.0372	349.6
R 25.4X1.9X89	25.4	1.90	89.0	0.0372	349.7
R 25.4X1.9X101.6	25.4	1.90	101.6	0.0297	428.7
R 25.4X1.9X102	25.4	1.90	102.0	0.0297	429.1
R 25.4X1.9X114.3	25.4	1.90	114.3	0.0253	498.3
R 25.4X1.9X115	25.4	1.90	115.0	0.0247	508.5
R 25.4X1.9X127	25.4	1.90	127.0	0.0215	577.4
R 25.4X2.2X215	25.4	2.00	215.0	0.0142	997.4
R 25.4X2.2X63.5	25.4	2.20	63.5	0.1529	157.2
R 25.4X2.2X64	25.4	2.20	64.0	0.1529	157.7
R 25.4X2.2X69.8	25.4	2.20	69.8	0.1233	186.0
R 25.4X2.2X70	25.4	2.20	70.0	0.1233	186.2
R 25.4X2.2X76	25.4	2.20	76.0	0.1033	214.7
R 25.4X2.2X76.2	25.4	2.20	76.2	0.1033	214.9
R 25.4X2.2X88.9	25.4	2.20	88.9	0.0780	272.6
R 25.4X2.2X89	25.4	2.20	89.0	0.0780	272.7
R 25.4X2.2X101.6	25.4	2.20	101.6	0.0648	322.8

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 25.4X2.2X102	25.4	2.20	102.0	0.0627	330.7
R 25.4X2.2X114.3	25.4	2.20	114.3	0.0538	380.5
R 25.4X2.2X115	25.4	2.20	115.0	0.0524	388.7
R 25.4X2.2X127	25.4	2.20	127.0	0.0461	438.2
R 25.4X2.3X215	25.4	2.30	215.0	0.0295	762.6
R 25.4X2.4X63.5	25.4	2.40	63.5	0.2416	138.3
R 25.4X2.4X69.8	25.4	2.40	69.8	0.1916	164.1
R 25.4X2.4X70	25.4	2.40	70.0	0.1916	164.3
R 25.4X2.4X76	25.4	2.40	76.0	0.1684	183.3
R 25.4X2.4X76.2	25.4	2.40	76.2	0.1587	190.0
R 25.4X2.4X88.9	25.4	2.40	88.9	0.1235	235.2
R 25.4X2.4X89	25.4	2.40	89.0	0.1235	235.3
R 25.4X2.4X101.6	25.4	2.40	101.6	0.1010	280.4
R 25.4X2.4X102	25.4	2.40	102.0	0.1010	280.8
R 25.4X2.4X114.3	25.4	2.40	114.3	0.0855	325.6
R 25.4X2.4X115	25.4	2.40	115.0	0.0829	332.8
R 25.4X2.4X120	25.4	2.40	120.0	0.0783	350.8
R 25.4X2.4X127	25.4	2.40	127.0	0.0722	377.4
R 25.4X2.4X139.7	25.4	2.40	139.7	0.0639	422.6
R 25.4X2.4X140	25.4	2.40	140.0	0.0639	422.9
R 25.4X2.4X152	25.4	2.40	152.0	0.0573	467.4
R 25.4X2.4X152.4	25.4	2.40	152.4	0.0573	467.8
R 25.4X2.4X165	25.4	2.40	165.0	0.0510	519.4
R 25.4X2.4X165.1	25.4	2.40	165.1	0.0510	519.5
R 25.4X2.4X177.8	25.4	2.40	177.8	0.0467	564.7
R 25.4X2.4X178	25.4	2.40	178.0	0.0467	564.9
R 25.4X2.4X203	25.4	2.40	203.0	0.0400	654.9
R 25.4X2.4X203.2	25.4	2.40	203.2	0.0400	655.1
R 25.4X2.4X228.6	25.4	2.40	228.6	0.0345	752.1
R 25.4X2.4X229	25.4	2.40	229.0	0.0345	752.5
R 25.4X2.5X63.5	25.4	2.50	63.5	0.2882	133.4
R 25.4X2.5X69.8	25.4	2.50	69.8	0.2455	151.8
R 25.4X2.5X76.2	25.4	2.50	76.2	0.2008	176.4
R 25.4X2.5X88.9	25.4	2.50	88.9	0.1541	219.5
R 25.4X2.5X101.6	25.4	2.50	101.6	0.1250	262.6
R 25.4X2.5X114.3	25.4	2.50	114.3	0.1052	305.7
R 25.4X2.5X127	25.4	2.50	127.0	0.0908	348.7
R 25.4X2.5X139.7	25.4	2.50	139.7	0.0799	391.8
R 25.4X2.5X152.4	25.4	2.50	152.4	0.0713	434.9
R 25.4X2.5X165.1	25.4	2.50	165.1	0.0643	478.0
R 25.4X2.5X177.8	25.4	2.50	177.8	0.0576	527.1

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 25.4X2.5X203.2	25.4	2.50	203.2	0.0491	613.3
R 25.4X2.5X228.6	25.4	2.50	228.6	0.0428	699.4
R 25.4X2.7X64	25.4	2.70	64.0	0.4408	120.0
R 25.4X2.7X70	25.4	2.70	70.0	0.3429	142.0
R 25.4X2.7X76	25.4	2.70	76.0	0.2986	158.7
R 25.4X2.7X89	25.4	2.70	89.0	0.2258	198.3
R 25.4X2.7X98	25.4	2.70	98.0	0.1970	223.3
R 25.4X2.7X102	25.4	2.70	102.0	0.1889	232.7
R 25.4X2.7X106	25.4	2.70	106.0	0.1747	247.3
R 25.4X2.7X115	25.4	2.70	115.0	0.1569	272.3
R 25.4X2.7X127	25.4	2.70	127.0	0.1342	311.0
R 25.4X2.7X140	25.4	2.70	140.0	0.1172	350.7
R 25.4X2.7X152	25.4	2.70	152.0	0.1064	384.0
R 25.4X2.7X165	25.4	2.70	165.0	0.0954	423.7
R 25.4X2.7X178	25.4	2.70	178.0	0.0865	463.3
R 25.4X2.7X190	25.4	2.70	190.0	0.0805	496.7
R 25.4X2.7X203	25.4	2.70	203.0	0.0741	536.3
R 25.4X2.7X305	25.4	2.70	305.0	0.0461	841.0
R 25.4X2.9X117	25.4	2.90	117.0	0.2220	251.3
R 25.4X2.9X185	25.4	2.90	185.0	0.1228	427.7
R 25.4X3X63.5	25.4	3.00	63.5	0.7728	105.7
R 25.4X3X69.8	25.4	3.00	69.8	0.6384	120.9
R 25.4X3X76.2	25.4	3.00	76.2	0.5063	140.6
R 25.4X3X88.9	25.4	3.00	88.9	0.3969	171.1
R 25.4X3X101.6	25.4	3.00	101.6	0.3263	201.5
R 25.4X3X102	25.4	3.00	102.0	0.3263	201.9
R 25.4X3X114.3	25.4	3.00	114.3	0.2771	232.0
R 25.4X3X127	25.4	3.00	127.0	0.2407	262.4
R 25.4X3X139.7	25.4	3.00	139.7	0.2068	297.3
R 25.4X3X152.4	25.4	3.00	152.4	0.1859	327.8
R 25.4X3X165.1	25.4	3.00	165.1	0.1688	358.3
R 25.4X3X177.8	25.4	3.00	177.8	0.1546	388.7
R 25.4X3X203.2	25.4	3.00	203.2	0.1299	454.1
R 25.4X3X228.6	25.4	3.00	228.6	0.1138	515.0
R 25.4X3X229	25.4	3.00	229.0	0.1138	515.4
R 25.4X3X305	25.4	3.00	305.0	0.0811	706.9
R 25.4X3.2X64	25.4	3.20	64.0	1.0277	101.6
R 25.4X3.2X70	25.4	3.20	70.0	0.8490	115.5
R 25.4X3.2X76	25.4	3.20	76.0	0.7232	129.4
R 25.4X3.2X89	25.4	3.20	89.0	0.5579	158.2
R 25.4X3.2X102	25.4	3.20	102.0	0.4541	187.1

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 25.4X3.2X115	25.4	3.20	115.0	0.3829	215.9
R 25.4X3.2X127	25.4	3.20	127.0	0.3310	243.7
R 25.4X3.2X140	25.4	3.20	140.0	0.2915	272.5
R 25.4X3.2X152	25.4	3.20	152.0	0.2604	300.4
R 25.4X3.2X165	25.4	3.20	165.0	0.2353	329.2
R 25.4X3.2X178	25.4	3.20	178.0	0.2146	358.0
R 25.4X3.2X203	25.4	3.20	203.0	0.1860	410.7
R 25.4X3.2X213	25.4	3.20	213.0	0.1728	436.5
R 25.4X3.2X229	25.4	3.20	229.0	0.1588	472.3
R 25.4X3.2X333	25.4	3.20	333.0	0.1044	702.9
R 25.4X3.4X70	25.4	3.40	70.0	1.2177	107.2
R 25.4X3.4X76	25.4	3.40	76.0	1.0228	120.3
R 25.4X3.4X241	25.4	3.40	241.0	0.2079	458.8
R 25.4X3.4X420	25.4	3.40	420.0	0.1126	821.9
R 25.4X3.6X63.5	25.4	3.60	63.5	1.9431	90.5
R 25.4X3.6X69.8	25.4	3.60	69.8	1.5730	103.2
R 25.4X3.6X76.2	25.4	3.60	76.2	1.3213	116.0
R 25.4X3.6X88.9	25.4	3.60	88.9	1.0656	138.2
R 25.4X3.6X101.6	25.4	3.60	101.6	0.8470	163.6
R 25.4X3.6X105	25.4	3.60	105.0	0.8057	170.2
R 25.4X3.6X114.3	25.4	3.60	114.3	0.7341	185.9
R 25.4X3.6X127	25.4	3.60	127.0	0.6233	211.3
R 25.4X3.6X139.7	25.4	3.60	139.7	0.5599	233.5
R 25.4X3.6X152.4	25.4	3.60	152.4	0.4930	259.0
R 25.4X3.6X165.1	25.4	3.60	165.1	0.4525	281.2
R 25.4X3.6X177.8	25.4	3.60	177.8	0.4078	306.6
R 25.4X3.6X203.2	25.4	3.60	203.2	0.3477	354.3
R 25.4X3.6X228.6	25.4	3.60	228.6	0.3030	402.0
R 25.4X3.8X63.5	25.4	3.80	63.5	2.4798	87.9
R 25.4X3.8X69.8	25.4	3.80	69.8	2.2188	97.0
R 25.4X3.8X76.2	25.4	3.80	76.2	1.8329	109.2
R 25.4X3.8X88.9	25.4	3.80	88.9	1.4537	130.5
R 25.4X3.8X101.6	25.4	3.80	101.6	1.1394	154.6
R 25.4X3.8X114.3	25.4	3.80	114.3	0.9804	175.9
R 25.4X3.8X127	25.4	3.80	127.0	0.8603	197.3
R 25.4X3.8X139.7	25.4	3.80	139.7	0.7396	221.4
R 25.4X3.8X152.4	25.4	3.80	152.4	0.6692	242.7
R 25.4X3.8X165.1	25.4	3.80	165.1	0.6110	264.0
R 25.4X3.8X177.8	25.4	3.80	177.8	0.5475	288.2
R 25.4X3.8X203.2	25.4	3.80	203.2	0.4737	330.8
R 25.4X3.8X228.6	25.4	3.80	228.6	0.4093	376.3

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 25.4X4.5X168	25.4	4.50	168.0	1.5003	230.1
R 26X2X65	26.0	2.00	65.0	0.0873	189.8
R 26X2X102	26.0	2.00	102.0	0.0363	402.5
R 26X2X152	26.0	2.00	152.0	0.0205	683.7
R 26X2.3X70	26.0	2.30	70.0	0.1477	177.1
R 26X2.3X75	26.0	2.30	75.0	0.1298	196.9
R 26X2.3X95	26.0	2.30	95.0	0.0840	283.3
R 26X2.35X70	26.0	2.35	70.0	0.1620	173.4
R 26X2.35X76	26.0	2.35	76.0	0.1424	193.7
R 26X2.35X83	26.0	2.35	83.0	0.1205	222.1
R 26X2.35X85	26.0	2.35	85.0	0.1146	231.2
R 26X2.35X89	26.0	2.35	89.0	0.1044	249.4
R 26X2.35X102	26.0	2.35	102.0	0.0854	298.1
R 26X2.35X104	26.0	2.35	104.0	0.0824	307.2
R 26X2.35X115	26.0	2.35	115.0	0.0701	353.9
R 26X2.35X148	26.0	2.35	148.0	0.0494	486.7
R 26X2.35X152	26.0	2.35	152.0	0.0475	505.0
R 26X2.35X185	26.0	2.35	185.0	0.0370	637.8
R 26X2.35X222	26.0	2.35	222.0	0.0299	781.8
R 26X2.4X67	26.0	2.40	67.0	0.2057	153.1
R 26X2.4X75	26.0	2.40	75.0	0.1558	188.7
R 26X2.4X92	26.0	2.40	92.0	0.1094	253.9
R 26X2.4X111	26.0	2.40	111.0	0.0816	328.0
R 26X2.5X65	26.0	2.50	65.0	0.2666	139.0
R 26X2.5X75	26.0	2.50	75.0	0.1978	174.8
R 26X2.5X81	26.0	2.50	81.0	0.1752	193.7
R 26X2.5X89	26.0	2.50	89.0	0.1426	227.4
R 26X2.5X118	26.0	2.50	118.0	0.0944	327.2
R 26X2.5X123	26.0	2.50	123.0	0.0889	345.1
R 26X2.5X124	26.0	2.50	124.0	0.0864	352.5
R 26X2.5X136	26.0	2.50	136.0	0.0776	390.3
R 26X2.7X65	26.0	2.70	65.0	0.4076	124.4
R 26X2.7X67	26.0	2.70	67.0	0.3722	132.0
R 26X2.7X73	26.0	2.70	73.0	0.3170	149.4
R 26X2.7X83	26.0	2.70	83.0	0.2446	182.0
R 26X2.7X97	26.0	2.70	97.0	0.1902	224.3
R 26X2.7X108	26.0	2.70	108.0	0.1615	257.9
R 26X2.7X185	26.0	2.70	185.0	0.0771	498.9
R 26X2.8X70	26.0	2.80	70.0	0.4012	136.4
R 26X2.8X76	26.0	2.80	76.0	0.3458	153.1
R 26X2.8X138	26.0	2.80	138.0	0.1374	332.0

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 26X2.8X420	26.0	2.80	420.0	0.0365	1150.9
R 26X3.4X85	26.0	3.40	85.0	0.8134	139.6
R 26X3.4X178	26.0	3.40	178.0	0.2775	338.1
R 26X3.8X355	26.0	3.80	355.0	0.2298	613.2
R 26.1X3.4X324	26.1	3.40	324.0	0.1361	649.3
R 26.1X4.8X206	26.1	4.80	206.0	1.5332	276.0
R 26.2X2.7X406	26.2	2.70	406.0	0.0303	1198.8
R 26.5X3.8X63.5	26.5	3.80	63.5	2.4214	87.6
R 26.5X3.8X68	26.5	3.80	68.0	2.1365	95.4
R 26.9X2X215	26.9	2.00	215.0	0.0119	1103.1
R 26.9X2.3X215	26.9	2.30	215.0	0.0250	829.0
R 26.9X3X140	26.9	3.00	140.0	0.1752	317.4
R 26.9X3X168	26.9	3.00	168.0	0.1390	391.7
R 26.9X3X300	26.9	3.00	300.0	0.0691	750.0
R 26.9X3.4X89	26.9	3.40	89.0	0.6768	152.8
R 26.9X3.4X127	26.9	3.40	127.0	0.3959	236.1
R 26.9X3.4X180	26.9	3.40	180.0	0.2468	355.0
R 26.9X3.4X305	26.9	3.40	305.0	0.1320	632.4
R 27X1.6X229	27.0	1.60	229.0	0.0034	1924.9
R 27X2X62.8	27.0	2.00	62.8	0.0835	189.4
R 27X2X78.8	27.0	2.00	78.8	0.0509	286.4
R 27X2X118	27.0	2.00	118.0	0.0264	517.9
R 27X2X146	27.0	2.00	146.0	0.0195	687.7
R 27X2.7X178	27.0	2.70	178.0	0.0719	504.4
R 27X2.7X318	27.0	2.70	318.0	0.0365	961.4
R 27X2.8X305	27.0	2.80	305.0	0.0463	863.2
R 27.5X2.5X60	27.5	2.50	60.0	0.2996	122.8
R 27.5X2.5X68.5	27.5	2.50	68.5	0.2038	160.9
R 27.5X2.5X71	27.5	2.50	71.0	0.1887	170.8
R 27.5X2.5X80	27.5	2.50	80.0	0.1544	202.0
R 27.5X2.5X101	27.5	2.50	101.0	0.0999	289.5
R 27.5X2.5X120	27.5	2.50	120.0	0.0784	360.3
R 27.5X2.5X138	27.5	2.50	138.0	0.0645	430.0
R 27.5X2.5X156	27.5	2.50	156.0	0.0536	507.2
R 27.5X2.5X173	27.5	2.50	173.0	0.0476	568.5
R 27.5X2.5X193	27.5	2.50	193.0	0.0414	647.7
R 27.5X2.5X213	27.5	2.50	213.0	0.0366	726.8
R 27.5X2.5X234	27.5	2.50	234.0	0.0324	814.4
R 28X2.5X64.3	28.0	2.50	64.3	0.2286	145.4
R 28X2.5X69.8	28.0	2.50	69.8	0.1920	166.4
R 28X2.5X79.3	28.0	2.50	79.3	0.1455	206.8

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 28X2.5X102	28.0	2.50	102.0	0.0941	299.1
R 28X2.5X120	28.0	2.50	120.0	0.0738	371.1
R 28X2.5X139	28.0	2.50	139.0	0.0608	444.2
R 28X2.5X160	28.0	2.50	160.0	0.0495	534.8
R 28X2.5X189	28.0	2.50	189.0	0.0403	648.8
R 28X3X57.2	28.0	3.00	57.2	0.8125	94.2
R 28X3X63.5	28.0	3.00	63.5	0.6213	111.9
R 28X3.1X65	28.0	3.10	65.0	0.7170	110.7
R 28X3.2X273	28.0	3.20	273.0	0.0953	647.1
R 28X4X76	28.0	4.00	76.0	1.7967	111.6
R 28X4X100	28.0	4.00	100.0	1.1434	155.9
R 28X4X136	28.0	4.00	136.0	0.7398	222.4
R 28X4X196	28.0	4.00	196.0	0.4658	333.2
R 28X4X300	28.0	4.00	300.0	0.2837	525.2
R 28.1X2.8X55	28.1	2.80	55.0	0.7030	90.5
R 28.2X3.2X76.4	28.2	3.20	76.4	0.5945	136.0
R 28.2X3.2X100	28.2	3.20	100.0	0.3506	201.1
R 28.2X3.2X118	28.2	3.20	118.0	0.2791	245.0
R 28.2X3.2X140	28.2	3.20	140.0	0.2170	303.3
R 28.2X3.2X165	28.2	3.20	165.0	0.1731	369.7
R 28.2X3.2X188	28.2	3.20	188.0	0.1470	429.0
R 28.2X3.2X200	28.2	3.20	200.0	0.1354	461.8
R 28.2X3.2X210	28.2	3.20	210.0	0.1278	487.3
R 28.2X3.2X236	28.2	3.20	236.0	0.1112	554.8
R 28.2X3.2X262	28.2	3.20	262.0	0.0984	622.2
R 28.2X3.2X287	28.2	3.20	287.0	0.0882	688.7
R 28.4X2.2X76.2	28.4	2.20	76.2	0.0804	238.4
R 28.4X2.2X88.9	28.4	2.20	88.9	0.0617	300.3
R 28.4X2.2X101.6	28.4	2.20	101.6	0.0483	371.9
R 28.4X2.2X114.3	28.4	2.20	114.3	0.0396	443.6
R 28.4X2.2X120	28.4	2.20	120.0	0.0364	478.8
R 28.4X2.2X127	28.4	2.20	127.0	0.0336	515.3
R 28.4X2.2X139.7	28.4	2.20	139.7	0.0292	587.0
R 28.4X2.2X152.4	28.4	2.20	152.4	0.0263	648.8
R 28.4X2.2X165.1	28.4	2.20	165.1	0.0235	720.5
R 28.4X2.2X177.8	28.4	2.20	177.8	0.0212	792.2
R 28.4X2.2X220	28.4	2.20	220.0	0.0163	1021.2
R 28.4X2.2X320	28.4	2.20	320.0	0.0104	1573.4
R 28.4X2.5X76.2	28.4	2.50	76.2	0.1580	192.2
R 28.4X2.5X80	28.4	2.50	80.0	0.1388	212.0
R 28.4X2.5X88.9	28.4	2.50	88.9	0.1175	244.9

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 28.4X2.5X101.6	28.4	2.50	101.6	0.0935	297.6
R 28.4X2.5X114.3	28.4	2.50	114.3	0.0776	350.3
R 28.4X2.5X120	28.4	2.50	120.0	0.0705	380.0
R 28.4X2.5X127	28.4	2.50	127.0	0.0664	403.0
R 28.4X2.5X139.7	28.4	2.50	139.7	0.0580	455.7
R 28.4X2.5X152.4	28.4	2.50	152.4	0.0515	508.4
R 28.4X2.5X165.1	28.4	2.50	165.1	0.0454	569.1
R 28.4X2.5X177.8	28.4	2.50	177.8	0.0413	621.8
R 28.4X2.5X200	28.4	2.50	200.0	0.0355	716.1
R 28.4X3X76.2	28.4	3.00	76.2	0.4028	150.0
R 28.4X3X88.9	28.4	3.00	88.9	0.3052	186.3
R 28.4X3X101.6	28.4	3.00	101.6	0.2456	222.6
R 28.4X3X114.3	28.4	3.00	114.3	0.1975	264.8
R 28.4X3X127	28.4	3.00	127.0	0.1707	301.1
R 28.4X3X139.7	28.4	3.00	139.7	0.1503	337.4
R 28.4X3X152.4	28.4	3.00	152.4	0.1343	373.7
R 28.4X3X165.1	28.4	3.00	165.1	0.1185	415.9
R 28.4X3X177.8	28.4	3.00	177.8	0.1083	452.2
R 28.4X3X200	28.4	3.00	200.0	0.0941	515.7
R 28.4X3X220	28.4	3.00	220.0	0.0832	577.0
R 28.4X3X300	28.4	3.00	300.0	0.0576	816.3
R 28.5X2.3X190	28.5	2.30	190.0	0.0246	785.7
R 28.5X3X80	28.5	3.00	80.0	0.3686	160.4
R 28.5X3X140	28.5	3.00	140.0	0.1486	339.4
R 28.5X3X215	28.5	3.00	215.0	0.0851	563.2
R 28.5X3X305	28.5	3.00	305.0	0.0562	831.8
R 28.5X3X673	28.5	3.00	673.0	0.0235	1932.0
R 28.6X2.2X118	28.6	2.20	118.0	0.0365	472.9
R 28.6X2.7X406	28.6	2.70	406.0	0.0230	1377.7
R 28.6X3.8X100	28.6	3.80	100.0	0.8440	165.1
R 28.6X3.8X197	28.6	3.80	197.0	0.3277	364.8
R 28.6X3.8X215	28.6	3.80	215.0	0.2995	398.5
R 29X2.9X70	29.0	2.90	70.0	0.3860	139.2
R 29X3X69.8	29.0	3.00	69.8	0.4471	135.1
R 29X3X70	29.0	3.00	70.0	0.4471	135.3
R 29X3.2X69.8	29.0	3.20	69.8	0.6548	122.7
R 29X3.2X70	29.0	3.20	70.0	0.6548	122.9
R 29X3.2X76	29.0	3.20	76.0	0.5409	140.0
R 29X3.8X88.9	29.0	3.80	88.9	0.9833	144.2
R 29X4X93.6	29.0	4.00	93.6	1.1511	147.6
R 29X4X120	29.0	4.00	120.0	0.8142	196.3

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 29X4X149	29.0	4.00	149.0	0.6070	251.4
R 29X4X180	29.0	4.00	180.0	0.4702	312.1
R 29X4X201	29.0	4.00	201.0	0.4121	351.7
R 29X4X225	29.0	4.00	225.0	0.3590	398.1
R 29X4X253	29.0	4.00	253.0	0.3120	452.1
R 29X4X285	29.0	4.00	285.0	0.2714	513.9
R 29X4X300	29.0	4.00	300.0	0.2548	543.8
R 29X4X317	29.0	4.00	317.0	0.2402	575.7
R 29X4X349	29.0	4.00	349.0	0.2154	637.4
R 29.4X2.7X229	29.4	2.70	229.0	0.0409	762.5
R 29.4X3.8X132	29.4	3.80	132.0	0.5168	236.0
R 30X2.8X69.8	30.0	2.80	69.8	0.3275	142.0
R 30X2.8X86.6	30.0	2.80	86.6	0.2008	204.3
R 30X2.8X112	30.0	2.80	112.0	0.1220	305.7
R 30X2.8X154	30.0	2.80	154.0	0.0768	461.7
R 30X2.8X210	30.0	2.80	210.0	0.0514	669.6
R 30X3.8X69.8	30.0	3.80	69.8	1.5748	103.4
R 30X4.5X162	30.0	4.50	162.0	0.9161	251.5
R 30X4.5X163	30.0	4.50	163.0	0.9161	252.5
R 30X4.5X189	30.0	4.50	189.0	0.7521	298.1
R 30X4.5X190	30.0	4.50	190.0	0.7521	299.1
R 30X4.5X221	30.0	4.50	221.0	0.6221	352.9
R 30X4.5X222	30.0	4.50	222.0	0.6221	353.9
R 30X4.5X248	30.0	4.50	248.0	0.5418	399.4
R 30X4.5X249	30.0	4.50	249.0	0.5418	400.4
R 30X4.5X279	30.0	4.50	279.0	0.4709	453.2
R 30X4.5X280	30.0	4.50	280.0	0.4709	454.2
R 30X4.5X315	30.0	4.50	315.0	0.4097	515.2
R 30X4.5X316	30.0	4.50	316.0	0.4097	516.2
R 30X4.5X351	30.0	4.50	351.0	0.3625	577.3
R 30X4.5X352	30.0	4.50	352.0	0.3625	578.3
R 30X5X175	30.0	5.00	175.0	1.4818	247.5
R 30X5X177	30.0	5.00	177.0	1.4298	252.1
R 30X5X205	30.0	5.00	205.0	1.2164	293.3
R 30X5X207	30.0	5.00	207.0	1.1812	297.9
R 30X5X240	30.0	5.00	240.0	1.0062	346.8
R 30X5X242	30.0	5.00	242.0	0.9819	351.4
R 30X5X270	30.0	5.00	270.0	0.8763	392.6
R 30X5X272	30.0	5.00	272.0	0.8579	397.2
R 30X5X305	30.0	5.00	305.0	0.7617	446.0
R 30X5X307	30.0	5.00	307.0	0.7477	450.7

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 30X5X345	30.0	5.00	345.0	0.6626	507.1
R 30X5X347	30.0	5.00	347.0	0.6520	511.7
R 30X5X385	30.0	5.00	385.0	0.5863	568.2
R 30X5X387	30.0	5.00	387.0	0.5780	572.8
R 30.1X3.4X305	30.1	3.40	305.0	0.0923	731.7
R 30.2X4.2X305	30.2	4.20	305.0	0.2840	545.3
R 30.5X4.8X178	30.5	4.80	178.0	1.0800	266.5
R 30.9X3.6X197	30.9	3.60	197.0	0.1933	428.6
R 31X2.2X95	31.0	2.20	95.0	0.0444	367.9
R 31X2.3X85	31.0	2.30	85.0	0.0689	282.9
R 31X2.4X76.2	31.0	2.40	76.2	0.1070	218.9
R 31X2.7X673	31.0	2.70	673.0	0.0102	2714.0
R 31X2.9X76	31.0	2.90	76.0	0.2824	165.4
R 31X2.9X89	31.0	2.90	89.0	0.2095	209.5
R 31X2.9X102	31.0	2.90	102.0	0.1584	261.3
R 31X2.9X115	31.0	2.90	115.0	0.1325	305.4
R 31X2.9X152	31.0	2.90	152.0	0.0866	443.4
R 31X2.9X175	31.0	2.90	175.0	0.0714	528.6
R 31X3X76.2	31.0	3.00	76.2	0.3269	160.7
R 31X3X172	31.0	3.00	172.0	0.0864	491.5
R 31X3.6X76.2	31.0	3.60	76.2	0.8756	127.2
R 31X3.8X76.2	31.0	3.80	76.2	1.1111	122.5
R 31X3.8X203.2	31.0	3.80	203.2	0.2484	410.4
R 31X4.5X115	31.0	4.50	115.0	1.3605	173.7
R 31X4.5X165.1	31.0	4.50	165.1	0.8163	263.0
R 31X4.8X150	31.0	4.80	150.0	1.2796	223.8
R 31X5X237	31.0	5.00	237.0	0.9171	351.2
R 31.4X5.3X183	31.4	5.30	183.0	1.6441	256.2
R 31.7X2.4X83	31.7	2.40	83.0	0.0867	255.9
R 31.7X2.4X120	31.7	2.40	120.0	0.0427	471.3
R 31.7X2.4X178	31.7	2.40	178.0	0.0242	796.9
R 31.7X2.9X83	31.7	2.90	83.0	0.2234	193.8
R 31.7X3X298	31.7	3.00	298.0	0.0413	953.9
R 31.7X3.4X76	31.7	3.40	76.0	0.6323	135.7
R 31.7X3.4X83	31.7	3.40	83.0	0.5223	155.2
R 31.7X3.4X85	31.7	3.40	85.0	0.4805	163.5
R 31.7X3.4X89	31.7	3.40	89.0	0.4449	173.8
R 31.7X3.4X180	31.7	3.40	180.0	0.1483	434.3
R 31.7X3.4X300	31.7	3.40	300.0	0.0796	774.1
R 31.7X3.4X680	31.7	3.40	680.0	0.0320	1857.3
R 31.7X4.7X115	31.7	4.70	115.0	1.6294	168.9

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 31.7X4.8X152	31.7	4.80	152.0	1.1822	230.4
R 31.8X2.2X76	31.8	2.20	76.0	0.0682	250.0
R 31.8X2.2X89	31.8	2.20	89.0	0.0472	340.3
R 31.8X2.2X102	31.8	2.20	102.0	0.0361	430.6
R 31.8X2.2X115	31.8	2.20	115.0	0.0292	521.0
R 31.8X2.2X127	31.8	2.20	127.0	0.0252	597.4
R 31.8X2.2X140	31.8	2.20	140.0	0.0217	687.7
R 31.8X2.2X152	31.8	2.20	152.0	0.0190	777.1
R 31.8X2.2X165	31.8	2.20	165.0	0.0169	867.4
R 31.8X2.2X178	31.8	2.20	178.0	0.0155	944.8
R 31.8X2.3X185	31.8	2.30	185.0	0.0184	912.2
R 31.8X2.4X88.9	31.8	2.40	88.9	0.0719	296.8
R 31.8X2.4X101.6	31.8	2.40	101.6	0.0566	365.7
R 31.8X2.4X114.3	31.8	2.40	114.3	0.0467	434.5
R 31.8X2.4X127	31.8	2.40	127.0	0.0397	503.4
R 31.8X2.4X139.7	31.8	2.40	139.7	0.0337	583.6
R 31.8X2.4X152.4	31.8	2.40	152.4	0.0299	652.4
R 31.8X2.4X165.1	31.8	2.40	165.1	0.0269	721.3
R 31.8X2.4X190.5	31.8	2.40	190.5	0.0220	870.3
R 31.8X2.7X76	31.8	2.70	76.0	0.1910	183.0
R 31.8X2.7X89	31.8	2.70	89.0	0.1332	242.5
R 31.8X2.7X102	31.8	2.70	102.0	0.1022	302.0
R 31.8X2.7X115	31.8	2.70	115.0	0.0862	352.2
R 31.8X2.7X140	31.8	2.70	140.0	0.0619	470.2
R 31.8X3X88.9	31.8	3.00	88.9	0.2382	202.3
R 31.8X3X101.6	31.8	3.00	101.6	0.1772	254.1
R 31.8X3X114.3	31.8	3.00	114.3	0.1470	298.1
R 31.8X3X127	31.8	3.00	127.0	0.1256	342.1
R 31.8X3X139.7	31.8	3.00	139.7	0.1097	386.1
R 31.8X3X152.4	31.8	3.00	152.4	0.0946	437.9
R 31.8X3X165.1	31.8	3.00	165.1	0.0853	481.9
R 31.8X3X177.8	31.8	3.00	177.8	0.0776	525.9
R 31.8X3X190.5	31.8	3.00	190.5	0.0712	569.9
R 31.8X3.6X88.9	31.8	3.60	88.9	0.6104	160.5
R 31.8X3.6X101.6	31.8	3.60	101.6	0.4624	196.2
R 31.8X3.6X114.3	31.8	3.60	114.3	0.3913	226.1
R 31.8X3.6X127	31.8	3.60	127.0	0.3247	261.7
R 31.8X3.6X139.7	31.8	3.60	139.7	0.2879	291.6
R 31.8X3.6X152.4	31.8	3.60	152.4	0.2502	327.2
R 31.8X3.6X165.1	31.8	3.60	165.1	0.2278	357.1
R 31.8X3.6X177.8	31.8	3.60	177.8	0.2035	392.7

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 31.8X3.6X190.5	31.8	3.60	190.5	0.1884	422.6
R 31.8X3.8X88.9	31.8	3.80	88.9	0.7741	154.0
R 31.8X3.8X101.6	31.8	3.80	101.6	0.6243	182.3
R 31.8X3.8X114.3	31.8	3.80	114.3	0.5231	210.7
R 31.8X3.8X127	31.8	3.80	127.0	0.4301	244.2
R 31.8X3.8X139.7	31.8	3.80	139.7	0.3795	272.5
R 31.8X3.8X152.4	31.8	3.80	152.4	0.3395	300.8
R 31.8X3.8X165.1	31.8	3.80	165.1	0.2977	334.4
R 31.8X3.8X177.8	31.8	3.80	177.8	0.2726	362.7
R 31.8X3.8X190.5	31.8	3.80	190.5	0.2513	391.0
R 31.8X3.8X254	31.8	3.80	254.0	0.1744	543.1
R 31.8X4X387	31.8	4.00	387.0	0.1403	797.8
R 31.8X4.2X165	31.8	4.20	165.0	0.5111	293.1
R 31.8X4.2X178	31.8	4.20	178.0	0.4639	319.1
R 31.8X4.2X203	31.8	4.20	203.0	0.3916	370.2
R 31.8X4.2X305	31.8	4.20	305.0	0.2412	576.4
R 31.8X4.2X355	31.8	4.20	355.0	0.2024	678.5
R 31.8X4.5X203	31.8	4.50	203.0	0.5625	342.2
R 31.8X4.5X355	31.8	4.50	355.0	0.2954	620.1
R 31.8X4.7X197	31.8	4.70	197.0	0.7456	314.5
R 32X2X100	32.0	2.00	100.0	0.0228	502.0
R 32X2X125	32.0	2.00	125.0	0.0153	724.2
R 32X2X160	32.0	2.00	160.0	0.0107	1017.0
R 32X2X200	32.0	2.00	200.0	0.0079	1360.4
R 32X2X215	32.0	2.00	215.0	0.0071	1496.8
R 32X2X360	32.0	2.00	360.0	0.0039	2734.0
R 32X2.2X100	32.0	2.20	100.0	0.0368	420.5
R 32X2.2X108	32.0	2.20	108.0	0.0316	480.8
R 32X2.2X112	32.0	2.20	112.0	0.0306	497.9
R 32X2.2X114.3	32.0	2.20	114.3	0.0296	513.3
R 32X2.2X125	32.0	2.20	125.0	0.0254	589.4
R 32X2.2X134	32.0	2.20	134.0	0.0228	650.7
R 32X2.2X156	32.0	2.20	156.0	0.0182	803.6
R 32X2.2X160	32.0	2.20	160.0	0.0175	833.7
R 32X2.2X200	32.0	2.20	200.0	0.0130	1109.2
R 32X2.2X360	32.0	2.20	360.0	0.0063	2224.2
R 32X2.3X102	32.0	2.30	102.0	0.0444	400.9
R 32X2.3X108	32.0	2.30	108.0	0.0411	431.3
R 32X2.3X115	32.0	2.30	115.0	0.0369	474.9
R 32X2.3X152	32.0	2.30	152.0	0.0234	719.3
R 32X2.3X165	32.0	2.30	165.0	0.0211	793.3

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 32X2.5X100	32.0	2.50	100.0	0.0721	329.8
R 32X2.5X125	32.0	2.50	125.0	0.0492	461.7
R 32X2.5X160	32.0	2.50	160.0	0.0341	646.4
R 32X2.5X200	32.0	2.50	200.0	0.0252	857.4
R 32X2.5X360	32.0	2.50	360.0	0.0124	1701.5
R 32X2.8X100	32.0	2.80	100.0	0.1290	273.6
R 32X2.8X125	32.0	2.80	125.0	0.0882	378.7
R 32X2.8X160	32.0	2.80	160.0	0.0606	529.4
R 32X2.8X200	32.0	2.80	200.0	0.0453	694.0
R 32X2.8X360	32.0	2.80	360.0	0.0224	1361.4
R 32X3X81	32.0	3.00	81.0	0.2707	180.3
R 32X3X83	32.0	3.00	83.0	0.2707	182.3
R 32X3X85	32.0	3.00	85.0	0.2506	192.2
R 32X3X95	32.0	3.00	95.0	0.2051	226.1
R 32X3X102	32.0	3.00	102.0	0.1735	256.9
R 32X3X105	32.0	3.00	105.0	0.1650	267.9
R 32X3X115	32.0	3.00	115.0	0.1440	301.7
R 32X3X128	32.0	3.00	128.0	0.1230	346.5
R 32X3X133	32.0	3.00	133.0	0.1147	367.4
R 32X3X146	32.0	3.00	146.0	0.1010	412.1
R 32X3X148	32.0	3.00	148.0	0.0981	422.1
R 32X3X167	32.0	3.00	167.0	0.0835	488.7
R 32X3X185	32.0	3.00	185.0	0.0728	554.4
R 32X3X193	32.0	3.00	193.0	0.0684	586.2
R 32X3X206	32.0	3.00	206.0	0.0632	631.0
R 32X3X230	32.0	3.00	230.0	0.0550	718.6
R 32X3X241	32.0	3.00	241.0	0.0517	761.4
R 32X3X254	32.0	3.00	254.0	0.0487	806.1
R 32X3.2X100	32.0	3.20	100.0	0.2555	224.8
R 32X3.2X125	32.0	3.20	125.0	0.1754	306.8
R 32X3.2X160	32.0	3.20	160.0	0.1225	420.2
R 32X3.2X200	32.0	3.20	200.0	0.0922	545.8
R 32X3.2X360	32.0	3.20	360.0	0.0454	1062.3
R 32X3.6X100	32.0	3.60	100.0	0.4819	190.3
R 32X3.6X125	32.0	3.60	125.0	0.3320	256.0
R 32X3.6X154	32.0	3.60	154.0	0.2449	331.6
R 32X3.6X160	32.0	3.60	160.0	0.2298	349.3
R 32X3.6X179	32.0	3.60	179.0	0.1992	397.4
R 32X3.6X200	32.0	3.60	200.0	0.1717	453.3
R 32X3.6X205	32.0	3.60	205.0	0.1679	464.1
R 32X3.6X230	32.0	3.60	230.0	0.1450	529.9

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 32X3.6X360	32.0	3.60	360.0	0.0854	869.5
R 32X3.8X228.6	32.0	3.80	228.6	0.1953	485.3
R 32X4.5X86.3	32.0	4.50	86.3	1.9131	127.0
R 32X4.5X113	32.0	4.50	113.0	1.2959	173.1
R 32X4.5X154	32.0	4.50	154.0	0.7877	252.9
R 32X4.5X221	32.0	4.50	221.0	0.5085	374.2
R 32.5X3.4X178	32.5	3.40	178.0	0.1399	442.1
R 33X2.3X215	33.0	2.30	215.0	0.0136	1167.0
R 33X2.3X298	33.0	2.30	298.0	0.0091	1722.7
R 33X2.3X324	33.0	2.30	324.0	0.0082	1906.2
R 33X2.4X152	33.0	2.40	152.0	0.0271	686.2
R 33X2.5X88.9	33.0	2.50	88.9	0.0850	278.8
R 33X2.5X101.6	33.0	2.50	101.6	0.0652	349.1
R 33X2.5X114.3	33.0	2.50	114.3	0.0529	419.3
R 33X2.5X130	33.0	2.50	130.0	0.0419	515.6
R 33X2.5X148	33.0	2.50	148.0	0.0346	614.2
R 33X2.5X152	33.0	2.50	152.0	0.0338	629.7
R 33X2.5X165	33.0	2.50	165.0	0.0295	711.8
R 33X2.5X179	33.0	2.50	179.0	0.0267	783.3
R 33X2.5X185	33.0	2.50	185.0	0.0253	823.9
R 33X2.5X199	33.0	2.50	199.0	0.0232	895.4
R 33X2.5X203	33.0	2.50	203.0	0.0224	922.5
R 33X2.5X205	33.0	2.50	205.0	0.0221	936.0
R 33X2.5X225	33.0	2.50	225.0	0.0196	1048.1
R 33X2.5X673	33.0	2.50	673.0	0.0056	3556.6
R 33X3.4X124	33.0	3.40	124.0	0.2234	287.3
R 33X3.4X215	33.0	3.40	215.0	0.1060	558.9
R 33X3.4X229	33.0	3.40	229.0	0.0963	607.6
R 33X3.4X241	33.0	3.40	241.0	0.0913	640.5
R 33X3.4X324	33.0	3.40	324.0	0.0644	890.2
R 33X3.4X420	33.0	3.40	420.0	0.0475	1187.7
R 33.3X3.4X305	33.3	3.40	305.0	0.0666	848.6
R 33.4X5.8X100	33.4	5.80	100.0	5.2223	127.6
R 33.4X5.8X203	33.4	5.80	203.0	1.9940	275.4
R 33.4X5.8X260	33.4	5.80	260.0	1.4622	358.7
R 33.5X5.8X102	33.5	5.80	102.0	5.1660	129.9
R 34.2X5.8X83	34.2	5.80	83.0	6.7106	104.1
R 34.5X2.5X79.7	34.5	2.50	79.7	0.0972	239.8
R 34.5X2.5X100	34.5	2.50	100.0	0.0592	362.5
R 34.5X2.5X112	34.5	2.50	112.0	0.0496	425.7
R 34.5X2.5X149	34.5	2.50	149.0	0.0307	654.8

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 34.5X2.5X184	34.5	2.50	184.0	0.0227	869.1
R 34.5X2.5X200	34.5	2.50	200.0	0.0201	974.7
R 34.9X4.5X197	34.9	4.50	197.0	0.4439	360.7
R 34.9X4.7X400	34.9	4.70	400.0	0.2391	740.3
R 34.9X4.8X355	34.9	4.80	355.0	0.3074	634.4
R 35X3.8X685	35.0	3.80	685.0	0.0418	1799.7
R 35X4.2X140	35.0	4.20	140.0	0.4822	265.5
R 35X4.2X203	35.0	4.20	203.0	0.2893	412.2
R 35X4.2X300	35.0	4.20	300.0	0.1793	637.5
R 35X5X90	35.0	5.00	90.0	2.4823	128.4
R 35.2X3.2X87.6	35.2	3.20	87.6	0.2835	191.4
R 35.2X3.2X90.8	35.2	3.20	90.8	0.2608	203.6
R 35.2X3.2X100	35.2	3.20	100.0	0.2103	239.9
R 35.2X3.2X120	35.2	3.20	120.0	0.1449	323.1
R 35.2X3.2X129	35.2	3.20	129.0	0.1331	350.2
R 35.2X3.2X160	35.2	3.20	160.0	0.0945	471.4
R 35.2X3.2X177	35.2	3.20	177.0	0.0825	533.6
R 35.2X3.2X199	35.2	3.20	199.0	0.0701	618.7
R 35.2X3.2X222	35.2	3.20	222.0	0.0609	704.9
R 35.2X3.2X247	35.2	3.20	247.0	0.0530	802.1
R 35.2X3.2X273	35.2	3.20	273.0	0.0469	900.4
R 35.2X3.2X298	35.2	3.20	298.0	0.0421	997.6
R 35.8X5.8X324	35.8	5.80	324.0	0.8804	479.5
R 36X3X172	36.0	3.00	172.0	0.0567	601.3
R 36X3.2X82.6	36.0	3.20	82.6	0.2883	182.8
R 36X3.2X83	36.0	3.20	83.0	0.2883	183.2
R 36X3.2X89	36.0	3.20	89.0	0.2422	208.2
R 36X3.2X92	36.0	3.20	92.0	0.2422	211.2
R 36X3.2X95	36.0	3.20	95.0	0.2242	223.8
R 36X3.2X102	36.0	3.20	102.0	0.1835	259.4
R 36X3.2X131	36.0	3.20	131.0	0.1187	374.2
R 36X3.2X179	36.0	3.20	179.0	0.0747	565.3
R 36X3.2X243	36.0	3.20	243.0	0.0500	820.1
R 36X4X104	36.0	4.00	104.0	0.5896	192.3
R 36X4X160	36.0	4.00	160.0	0.2894	339.8
R 36X4X212	36.0	4.00	212.0	0.1965	476.8
R 36X4X236	36.0	4.00	236.0	0.1712	540.0
R 36X4X264	36.0	4.00	264.0	0.1488	613.7
R 36X4X296	36.0	4.00	296.0	0.1294	698.0
R 36X4X328	36.0	4.00	328.0	0.1145	782.3
R 36X4X360	36.0	4.00	360.0	0.1027	866.6

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 36X5X96.6	36.0	5.00	96.6	2.0355	142.4
R 36X5X127	36.0	5.00	127.0	1.2953	198.9
R 36X5X172	36.0	5.00	172.0	0.8382	283.1
R 36X5X247	36.0	5.00	247.0	0.5277	423.5
R 37X3.2X103	37.0	3.20	103.0	0.1785	261.1
R 37X3.2X108	37.0	3.20	108.0	0.1581	286.5
R 37X3.2X110	37.0	3.20	110.0	0.1495	298.7
R 37X3.2X115	37.0	3.20	115.0	0.1419	313.9
R 37X3.2X152	37.0	3.20	152.0	0.0878	473.3
R 37X3.2X156	37.0	3.20	156.0	0.0851	487.5
R 37X3.2X158	37.0	3.20	158.0	0.0826	499.7
R 37X3.2X165	37.0	3.20	165.0	0.0779	527.1
R 37X3.2X178	37.0	3.20	178.0	0.0700	580.9
R 37X3.2X185	37.0	3.20	185.0	0.0667	608.3
R 37X3.2X203	37.0	3.20	203.0	0.0582	687.5
R 37X3.2X221	37.0	3.20	221.0	0.0527	756.5
R 37X3.2X229	37.0	3.20	229.0	0.0498	795.1
R 37X3.2X254	37.0	3.20	254.0	0.0436	901.7
R 37X4X225	37.0	4.00	225.0	0.1668	529.8
R 37X4X277	37.0	4.00	277.0	0.1284	672.9
R 37X4X309	37.0	4.00	309.0	0.1125	761.0
R 37X4X685	37.0	4.00	685.0	0.0458	1795.7
R 38.1X3X114.3	38.1	3.00	114.3	0.0979	351.4
R 38.1X3X127	38.1	3.00	127.0	0.0779	424.9
R 38.1X3X139.7	38.1	3.00	139.7	0.0670	486.2
R 38.1X3X152.4	38.1	3.00	152.4	0.0587	547.5
R 38.1X3X165.1	38.1	3.00	165.1	0.0523	608.9
R 38.1X3X177.8	38.1	3.00	177.8	0.0460	682.4
R 38.1X3X190.5	38.1	3.00	190.5	0.0419	743.7
R 38.1X3X203.2	38.1	3.00	203.2	0.0386	805.0
R 38.1X3.4X292	38.1	3.40	292.0	0.0462	991.2
R 38.1X3.4X362	38.1	3.40	362.0	0.0360	1259.6
R 38.1X3.6X185	38.1	3.60	185.0	0.1142	514.2
R 38.1X3.8X114.3	38.1	3.80	114.3	0.3190	250.2
R 38.1X3.8X127	38.1	3.80	127.0	0.2700	287.6
R 38.1X3.8X139.7	38.1	3.80	139.7	0.2340	325.0
R 38.1X3.8X152.4	38.1	3.80	152.4	0.1986	370.6
R 38.1X3.8X165.1	38.1	3.80	165.1	0.1784	408.0
R 38.1X3.8X177.8	38.1	3.80	177.8	0.1620	445.5
R 38.1X3.8X190.5	38.1	3.80	190.5	0.1442	491.1
R 38.1X3.8X203.2	38.1	3.80	203.2	0.1333	528.5

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 38.1X3.8X355	38.1	3.80	355.0	0.0662	1009.7
R 38.1X4.2X215	38.1	4.20	215.0	0.2114	481.9
R 38.1X4.2X457	38.1	4.20	457.0	0.0843	1126.0
R 38.1X4.2X492	38.1	4.20	492.0	0.0779	1216.5
R 38.1X4.2X685	38.1	4.20	685.0	0.0541	1728.4
R 38.1X4.5X114.3	38.1	4.50	114.3	0.7595	203.3
R 38.1X4.5X127	38.1	4.50	127.0	0.6674	228.3
R 38.1X4.5X139.7	38.1	4.50	139.7	0.5648	259.4
R 38.1X4.5X152.4	38.1	4.50	152.4	0.4895	290.5
R 38.1X4.5X165.1	38.1	4.50	165.1	0.4319	321.6
R 38.1X4.5X177.8	38.1	4.50	177.8	0.3864	352.7
R 38.1X4.5X190.5	38.1	4.50	190.5	0.3611	377.7
R 38.1X4.5X203.2	38.1	4.50	203.2	0.3287	408.8
R 38.1X4.5X355	38.1	4.50	355.0	0.1632	769.3
R 38.1X4.8X210	38.1	4.80	210.0	0.4372	393.0
R 38.1X4.8X215	38.1	4.80	215.0	0.4245	403.5
R 38.1X4.8X355	38.1	4.80	355.0	0.2306	701.9
R 38.1X5.3X445	38.1	5.30	445.0	0.3058	783.4
R 38.1X5.8X83	38.1	5.80	83.0	5.2633	107.8
R 38.1X5.8X102	38.1	5.80	102.0	3.6012	138.2
R 39X5.3X190	39.0	5.30	190.0	0.7926	318.1
R 39X5.3X203	39.0	5.30	203.0	0.7369	340.8
R 39X5.3X254	39.0	5.30	254.0	0.5455	440.2
R 39X5.3X355	39.0	5.30	355.0	0.3653	633.0
R 39X5.5X241	39.0	5.50	241.0	0.7187	396.5
R 39X5.5X290	39.0	5.50	290.0	0.5700	486.1
R 39X5.5X324	39.0	5.50	324.0	0.5009	547.1
R 39.3X4.2X120	39.3	4.20	120.0	0.4729	236.2
R 40X2.2X125	40.0	2.20	125.0	0.0150	778.7
R 40X2.2X160	40.0	2.20	160.0	0.0097	1168.3
R 40X2.2X200	40.0	2.20	200.0	0.0069	1629.4
R 40X2.2X250	40.0	2.20	250.0	0.0051	2166.9
R 40X2.2X360	40.0	2.20	360.0	0.0032	3385.0
R 40X2.5X125	40.0	2.50	125.0	0.0285	607.4
R 40X2.5X160	40.0	2.50	160.0	0.0186	897.2
R 40X2.5X200	40.0	2.50	200.0	0.0134	1228.4
R 40X2.5X250	40.0	2.50	250.0	0.0099	1642.4
R 40X2.5X360	40.0	2.50	360.0	0.0063	2553.4
R 40X2.8X125	40.0	2.80	125.0	0.0518	483.3
R 40X2.8X160	40.0	2.80	160.0	0.0333	716.5
R 40X2.8X200	40.0	2.80	200.0	0.0241	970.0

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 40X2.8X250	40.0	2.80	250.0	0.0178	1294.5
R 40X2.8X360	40.0	2.80	360.0	0.0113	1999.1
R 40X3X140	40.0	3.00	140.0	0.0592	515.9
R 40X3X158	40.0	3.00	158.0	0.0486	615.9
R 40X3X179	40.0	3.00	179.0	0.0402	732.6
R 40X3X197	40.0	3.00	197.0	0.0350	832.6
R 40X3X218	40.0	3.00	218.0	0.0305	949.3
R 40X3X242	40.0	3.00	242.0	0.0265	1082.6
R 40X3X266	40.0	3.00	266.0	0.0234	1216.0
R 40X3X305	40.0	3.00	305.0	0.0197	1432.7
R 40X3X673	40.0	3.00	673.0	0.0079	3481.9
R 40X3.2X125	40.0	3.20	125.0	0.0997	390.0
R 40X3.2X160	40.0	3.20	160.0	0.0660	560.6
R 40X3.2X200	40.0	3.20	200.0	0.0482	748.5
R 40X3.2X250	40.0	3.20	250.0	0.0354	995.7
R 40X3.2X360	40.0	3.20	360.0	0.0227	1524.7
R 40X3.6X92.1	40.0	3.60	92.1	0.3379	198.9
R 40X3.6X100	40.0	3.60	100.0	0.2838	227.1
R 40X3.6X114	40.0	3.60	114.0	0.2150	281.8
R 40X3.6X125	40.0	3.60	125.0	0.1819	323.3
R 40X3.6X146	40.0	3.60	146.0	0.1448	395.1
R 40X3.6X160	40.0	3.60	160.0	0.1245	449.8
R 40X3.6X200	40.0	3.60	200.0	0.0898	601.7
R 40X3.6X250	40.0	3.60	250.0	0.0663	794.0
R 40X3.6X272	40.0	3.60	272.0	0.0596	877.0
R 40X3.6X360	40.0	3.60	360.0	0.0420	1219.2
R 40X3.8X96	40.0	3.80	96.0	0.4265	193.6
R 40X3.8X139.7	40.0	3.80	139.7	0.1990	348.8
R 40X3.8X152.4	40.0	3.80	152.4	0.1756	389.4
R 40X3.8X165.1	40.0	3.80	165.1	0.1571	430.0
R 40X3.8X177.8	40.0	3.80	177.8	0.1378	479.8
R 40X4X125	40.0	4.00	125.0	0.3194	274.1
R 40X4X160	40.0	4.00	160.0	0.2109	385.9
R 40X4X200	40.0	4.00	200.0	0.1531	511.1
R 40X4X250	40.0	4.00	250.0	0.1153	663.4
R 40X4X360	40.0	4.00	360.0	0.0731	1012.0
R 40X4.5X178	40.0	4.50	178.0	0.3395	369.2
R 40X4.5X179	40.0	4.50	179.0	0.3395	370.2
R 40X4.5X205	40.0	4.50	205.0	0.2787	437.9
R 40X4.5X206	40.0	4.50	206.0	0.2787	438.9
R 40X4.5X222	40.0	4.50	222.0	0.2490	482.7

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 40X4.5X236	40.0	4.50	236.0	0.2306	517.6
R 40X4.5X237	40.0	4.50	237.0	0.2306	518.6
R 40X4.5X264	40.0	4.50	264.0	0.2008	587.3
R 40X4.5X265	40.0	4.50	265.0	0.2008	588.3
R 40X4.5X295	40.0	4.50	295.0	0.1745	667.0
R 40X4.5X296	40.0	4.50	296.0	0.1745	668.0
R 40X4.5X330	40.0	4.50	330.0	0.1518	757.6
R 40X4.5X331	40.0	4.50	331.0	0.1518	758.6
R 40X4.5X366	40.0	4.50	366.0	0.1344	849.3
R 40X4.5X368	40.0	4.50	368.0	0.1344	851.3
R 40X5X109	40.0	5.00	109.0	1.2914	175.2
R 40X5X191	40.0	5.00	191.0	0.5400	349.3
R 40X5X192	40.0	5.00	192.0	0.5400	350.3
R 40X5X221	40.0	5.00	221.0	0.4433	413.9
R 40X5X223	40.0	5.00	223.0	0.4305	421.6
R 40X5X256	40.0	5.00	256.0	0.3667	489.2
R 40X5X258	40.0	5.00	258.0	0.3578	497.0
R 40X5X272	40.0	5.00	272.0	0.3414	522.5
R 40X5X286	40.0	5.00	286.0	0.3194	553.7
R 40X5X288	40.0	5.00	288.0	0.3126	561.5
R 40X5X321	40.0	5.00	321.0	0.2776	629.0
R 40X5X323	40.0	5.00	323.0	0.2725	636.8
R 40X5X361	40.0	5.00	361.0	0.2415	715.1
R 40X5X363	40.0	5.00	363.0	0.2376	722.9
R 40X5X401	40.0	5.00	401.0	0.2137	801.2
R 40X5X403	40.0	5.00	403.0	0.2106	808.9
R 40X5.5X203	40.0	5.50	203.0	0.8255	335.7
R 40X5.5X205	40.0	5.50	205.0	0.8255	337.7
R 40X5.5X236	40.0	5.50	236.0	0.6777	397.6
R 40X5.5X238	40.0	5.50	238.0	0.6777	399.6
R 40X5.5X275	40.0	5.50	275.0	0.5605	470.4
R 40X5.5X277	40.0	5.50	277.0	0.5605	472.4
R 40X5.5X308	40.0	5.50	308.0	0.4882	532.3
R 40X5.5X310	40.0	5.50	310.0	0.4882	534.3
R 40X5.5X346	40.0	5.50	346.0	0.4243	604.1
R 40X5.5X348	40.0	5.50	348.0	0.4243	606.1
R 40X5.5X390	40.0	5.50	390.0	0.3691	686.7
R 40X5.5X392	40.0	5.50	392.0	0.3691	688.7
R 40X5.5X406	40.0	5.50	406.0	0.3520	717.1
R 40X5.5X435	40.0	5.50	435.0	0.3266	770.3
R 40X5.5X437	40.0	5.50	437.0	0.3220	777.1

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 40X5.8X203	40.0	5.80	203.0	1.0876	318.5
R 40X5.8X324	40.0	5.80	324.0	0.6067	531.0
R 40.4X4.2X692	40.4	4.20	692.0	0.0441	1909.9
R 41.3X4.7X264	41.3	4.70	264.0	0.2279	575.0
R 41.3X5.8X102	41.3	5.80	102.0	3.0316	142.4
R 42X3.2X102	42.0	3.20	102.0	0.1355	289.2
R 42X3.5X305	42.0	3.50	305.0	0.0380	1150.8
R 42X3.6X101.6	42.0	3.60	101.6	0.2628	233.4
R 42X3.6X105	42.0	3.60	105.0	0.2418	248.2
R 42X3.6X111	42.0	3.60	111.0	0.2084	277.1
R 42X3.6X114.3	42.0	3.60	114.3	0.1950	291.9
R 42X3.6X139.7	42.0	3.60	139.7	0.1343	397.5
R 42X3.6X152.4	42.0	3.60	152.4	0.1185	444.6
R 42X3.6X165	42.0	3.60	165.0	0.1024	503.0
R 42X3.6X165.1	42.0	3.60	165.1	0.1024	503.1
R 42X3.6X177.8	42.0	3.60	177.8	0.0930	550.2
R 42X3.6X179	42.0	3.60	179.0	0.0902	562.8
R 42X3.6X190.5	42.0	3.60	190.5	0.0828	608.7
R 42X3.6X197	42.0	3.60	197.0	0.0785	638.1
R 42X3.6X203.2	42.0	3.60	203.2	0.0765	655.8
R 42X3.6X205	42.0	3.60	205.0	0.0746	669.0
R 42X3.6X215	42.0	3.60	215.0	0.0695	713.4
R 42X3.6X228.6	42.0	3.60	228.6	0.0636	772.8
R 42X3.6X229	42.0	3.60	229.0	0.0636	773.2
R 42X3.6X237	42.0	3.60	237.0	0.0610	804.1
R 42.4X4.5X692	42.4	4.50	692.0	0.0546	1824.4
R 42.9X4X215	42.9	4.00	215.0	0.1151	605.3
R 43X3.8X101.6	43.0	3.80	101.6	0.3359	218.2
R 43X3.8X114.3	43.0	3.80	114.3	0.2432	275.3
R 43X3.8X139.7	43.0	3.80	139.7	0.1720	367.3
R 43X3.8X152.4	43.0	3.80	152.4	0.1439	424.4
R 43X3.8X165.1	43.0	3.80	165.1	0.1282	470.4
R 43X3.8X177.8	43.0	3.80	177.8	0.1156	516.4
R 43.2X3.2X100	43.2	3.20	100.0	0.1451	270.6
R 43.2X3.2X120	43.2	3.20	120.0	0.0902	394.4
R 43.2X3.2X142	43.2	3.20	142.0	0.0681	505.4
R 43.2X3.2X160	43.2	3.20	160.0	0.0547	612.4
R 43.2X3.2X190	43.2	3.20	190.0	0.0423	775.9
R 43.2X3.2X234	43.2	3.20	234.0	0.0312	1027.6
R 43.7X4.7X692	43.7	4.70	692.0	0.0623	1776.9
R 44X3.8X165	44.0	3.80	165.0	0.1189	488.0

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 44X3.8X197	44.0	3.80	197.0	0.0921	613.9
R 44X3.8X215	44.0	3.80	215.0	0.0807	690.6
R 44X3.8X254	44.0	3.80	254.0	0.0647	847.1
R 44X3.8X685	44.0	3.80	685.0	0.0200	2605.2
R 44X4X117	44.0	4.00	117.0	0.3019	262.7
R 44X4X140	44.0	4.00	140.0	0.2090	350.4
R 44X4X160	44.0	4.00	160.0	0.1663	424.4
R 44X4X173	44.0	4.00	173.0	0.1482	469.7
R 44X4X200	44.0	4.00	200.0	0.1181	572.3
R 44X4X225	44.0	4.00	225.0	0.1006	662.0
R 44X4X249	44.0	4.00	249.0	0.0876	750.7
R 44X4X277	44.0	4.00	277.0	0.0762	854.3
R 44X4X309	44.0	4.00	309.0	0.0663	972.6
R 44X4X341	44.0	4.00	341.0	0.0586	1090.9
R 44X4X373	44.0	4.00	373.0	0.0526	1209.2
R 44.4X3.8X120	44.4	3.80	120.0	0.2048	306.1
R 44.4X3.8X127	44.4	3.80	127.0	0.1924	325.1
R 44.4X3.8X139.7	44.4	3.80	139.7	0.1548	385.8
R 44.4X3.8X140	44.4	3.80	140.0	0.1548	386.1
R 44.4X3.8X152.4	44.4	3.80	152.4	0.1351	434.5
R 44.4X3.8X160	44.4	3.80	160.0	0.1245	466.2
R 44.4X3.8X165.1	44.4	3.80	165.1	0.1198	483.3
R 44.4X3.8X177.8	44.4	3.80	177.8	0.1041	544.0
R 44.4X3.8X180	44.4	3.80	180.0	0.1041	546.2
R 44.4X3.8X190.5	44.4	3.80	190.5	0.0948	592.7
R 44.4X3.8X200	44.4	3.80	200.0	0.0870	638.2
R 44.4X3.8X203.2	44.4	3.80	203.2	0.0870	641.4
R 44.4X3.8X220	44.4	3.80	220.0	0.0765	718.3
R 44.4X3.8X228.6	44.4	3.80	228.6	0.0730	750.9
R 44.4X4.5X127	44.4	4.50	127.0	0.4536	258.2
R 44.4X4.5X139.7	44.4	4.50	139.7	0.3758	298.0
R 44.4X4.5X152.4	44.4	4.50	152.4	0.3208	337.9
R 44.4X4.5X160	44.4	4.50	160.0	0.3059	354.5
R 44.4X4.5X165.1	44.4	4.50	165.1	0.2799	377.7
R 44.4X4.5X177.8	44.4	4.50	177.8	0.2579	408.5
R 44.4X4.5X190.5	44.4	4.50	190.5	0.2308	448.4
R 44.4X4.5X200	44.4	4.50	200.0	0.2156	476.0
R 44.4X4.5X203.2	44.4	4.50	203.2	0.2088	488.2
R 44.4X4.5X220	44.4	4.50	220.0	0.1853	541.2
R 44.4X4.5X228.6	44.4	4.50	228.6	0.1754	567.9
R 44.4X4.5X240	44.4	4.50	240.0	0.1665	597.4

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 44.4X4.5X260	44.4	4.50	260.0	0.1478	662.6
R 44.4X4.5X280	44.4	4.50	280.0	0.1356	718.8
R 44.4X4.5X300	44.4	4.50	300.0	0.1229	784.1
R 44.4X4.5X320	44.4	4.50	320.0	0.1144	840.3
R 44.4X4.5X340	44.4	4.50	340.0	0.1069	896.5
R 44.4X4.5X355	44.4	4.50	355.0	0.1004	947.7
R 44.4X4.8X150	44.4	4.80	150.0	0.4707	299.8
R 44.4X5.3X120	44.4	5.30	120.0	1.1693	198.1
R 44.4X5.3X127	44.4	5.30	127.0	1.0758	211.9
R 44.4X5.3X139.7	44.4	5.30	139.7	0.8676	245.0
R 44.4X5.3X140	44.4	5.30	140.0	0.8676	245.3
R 44.4X5.3X152.4	44.4	5.30	152.4	0.7684	271.3
R 44.4X5.3X165.1	44.4	5.30	165.1	0.6896	297.6
R 44.4X5.3X177.8	44.4	5.30	177.8	0.5977	330.6
R 44.4X5.3X180	44.4	5.30	180.0	0.5977	332.8
R 44.4X5.3X190.5	44.4	5.30	190.5	0.5489	356.9
R 44.4X5.3X200	44.4	5.30	200.0	0.5075	380.0
R 44.4X5.3X203.2	44.4	5.30	203.2	0.4890	390.0
R 44.4X5.3X220	44.4	5.30	220.0	0.4409	427.2
R 44.4X5.3X228.6	44.4	5.30	228.6	0.4269	442.6
R 44.4X5.3X240	44.4	5.30	240.0	0.3898	474.3
R 44.4X5.3X280	44.4	5.30	280.0	0.3240	561.9
R 44.4X5.3X320	44.4	5.30	320.0	0.2717	656.2
R 44.4X5.3X340	44.4	5.30	340.0	0.2561	696.6
R 44.5X5.3X355	44.5	5.30	355.0	0.2404	734.2
R 44.8X4.7X692	44.8	4.70	692.0	0.0573	1847.1
R 45X4X103	45.0	4.00	103.0	0.3983	211.3
R 45X4X104	45.0	4.00	104.0	0.3604	223.7
R 45X4X123	45.0	4.00	123.0	0.2610	288.3
R 45X4X127	45.0	4.00	127.0	0.2441	303.7
R 45X4X140	45.0	4.00	140.0	0.1941	362.3
R 45X4X149	45.0	4.00	149.0	0.1760	394.1
R 45X4X163	45.0	4.00	163.0	0.1545	442.3
R 45X4X193	45.0	4.00	193.0	0.1164	563.6
R 45X4X200	45.0	4.00	200.0	0.1097	593.4
R 45X4X223	45.0	4.00	223.0	0.0958	673.4
R 45X4X236	45.0	4.00	236.0	0.0870	732.0
R 45X4X303	45.0	4.00	303.0	0.0636	981.4
R 46X4X136	46.0	4.00	136.0	0.2012	346.5
R 46X4X685	46.0	4.00	685.0	0.0226	2555.9
R 46X4.2X165	46.0	4.20	165.0	0.1847	425.8

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 46X4.2X178	46.0	4.20	178.0	0.1578	483.2
R 46X4.2X203	46.0	4.20	203.0	0.1296	574.8
R 46X4.2X215	46.0	4.20	215.0	0.1223	609.0
R 46X4.2X305	46.0	4.20	305.0	0.0755	943.1
R 46X4.2X355	46.0	4.20	355.0	0.0625	1126.3
R 46X4.2X685	46.0	4.20	685.0	0.0294	2321.8
R 46X4.2X692	46.0	4.20	692.0	0.0290	2351.0
R 46.1X5.8X159	46.1	5.80	159.0	1.0675	263.9
R 47.7X4X135	47.7	4.00	135.0	0.1894	351.9
R 48.7X5X698	48.7	5.00	698.0	0.0603	1902.1
R 49X5.3X115	49.0	5.30	115.0	1.0139	198.0
R 49X5.3X139.7	49.0	5.30	139.7	0.7135	257.7
R 49X5.3X152.4	49.0	5.30	152.4	0.5838	296.6
R 49X5.3X165.1	49.0	5.30	165.1	0.5207	326.8
R 49X5.3X177.8	49.0	5.30	177.8	0.4699	356.9
R 49X5.3X190.5	49.0	5.30	190.5	0.4099	395.8
R 49X5.3X203.2	49.0	5.30	203.2	0.3777	426.0
R 49X5.3X228.6	49.0	5.30	228.6	0.3158	495.1
R 50X4.5X115	50.0	4.50	115.0	0.4668	230.3
R 50X4.5X120	50.0	4.50	120.0	0.3856	259.6
R 50X4.5X138	50.0	4.50	138.0	0.2861	326.2
R 50X4.5X140	50.0	4.50	140.0	0.2861	328.2
R 50X4.5X142	50.0	4.50	142.0	0.2861	330.2
R 50X4.5X160	50.0	4.50	160.0	0.2274	396.8
R 50X4.5X168	50.0	4.50	168.0	0.2063	429.0
R 50X4.5X178	50.0	4.50	178.0	0.1887	463.3
R 50X4.5X180	50.0	4.50	180.0	0.1810	477.5
R 50X4.5X183	50.0	4.50	183.0	0.1739	492.6
R 50X4.5X194	50.0	4.50	194.0	0.1613	527.9
R 50X4.5X195	50.0	4.50	195.0	0.1613	528.9
R 50X4.5X197	50.0	4.50	197.0	0.1556	543.0
R 50X4.5X200	50.0	4.50	200.0	0.1556	546.0
R 50X4.5X203	50.0	4.50	203.0	0.1503	561.2
R 50X4.5X205	50.0	4.50	205.0	0.1503	563.2
R 50X4.5X220	50.0	4.50	220.0	0.1324	626.7
R 50X4.5X221	50.0	4.50	221.0	0.1324	627.7
R 50X4.5X222	50.0	4.50	222.0	0.1324	628.7
R 50X4.5X236	50.0	4.50	236.0	0.1215	679.2
R 50X4.5X240	50.0	4.50	240.0	0.1183	695.3
R 50X4.5X241	50.0	4.50	241.0	0.1183	696.3
R 50X4.5X250	50.0	4.50	250.0	0.1123	729.6

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 50X4.5X252	50.0	4.50	252.0	0.1095	743.7
R 50X4.5X254	50.0	4.50	254.0	0.1095	745.7
R 50X4.5X260	50.0	4.50	260.0	0.1044	776.0
R 50X4.5X272	50.0	4.50	272.0	0.0997	812.3
R 50X4.5X280	50.0	4.50	280.0	0.0954	844.6
R 50X4.5X282	50.0	4.50	282.0	0.0934	858.7
R 50X4.5X300	50.0	4.50	300.0	0.0861	925.3
R 50X4.5X308	50.0	4.50	308.0	0.0845	945.4
R 50X4.5X310	50.0	4.50	310.0	0.0829	959.6
R 50X4.5X312	50.0	4.50	312.0	0.0829	961.6
R 50X4.5X320	50.0	4.50	320.0	0.0799	993.9
R 50X4.5X340	50.0	4.50	340.0	0.0745	1062.4
R 50X4.5X346	50.0	4.50	346.0	0.0721	1092.7
R 50X4.5X348	50.0	4.50	348.0	0.0721	1094.7
R 50X4.5X355	50.0	4.50	355.0	0.0698	1126.0
R 50X4.5X382	50.0	4.50	382.0	0.0638	1225.8
R 50X4.5X384	50.0	4.50	384.0	0.0638	1227.8
R 50X4.5X692	50.0	4.50	692.0	0.0320	2373.6
R 50X4.7X115	50.0	4.70	115.0	0.5629	222.3
R 50X4.7X197	50.0	4.70	197.0	0.1945	507.5
R 50X4.7X692	50.0	4.70	692.0	0.0404	2187.9
R 50X4.8X152	50.0	4.80	152.0	0.3346	342.7
R 50X4.8X178	50.0	4.80	178.0	0.2603	423.2
R 50X4.8X210	50.0	4.80	210.0	0.1985	531.4
R 50X4.8X215	50.0	4.80	215.0	0.1920	547.3
R 50X4.8X355	50.0	4.80	355.0	0.0984	1003.3
R 50X5X160	50.0	5.00	160.0	0.3777	348.1
R 50X5X172	50.0	5.00	172.0	0.3408	380.4
R 50X5X175	50.0	5.00	175.0	0.3250	393.6
R 50X5X180	50.0	5.00	180.0	0.3105	408.7
R 50X5X200	50.0	5.00	200.0	0.2637	469.4
R 50X5X205	50.0	5.00	205.0	0.2541	484.6
R 50X5X207	50.0	5.00	207.0	0.2541	486.6
R 50X5X208	50.0	5.00	208.0	0.2541	487.6
R 50X5X220	50.0	5.00	220.0	0.2291	530.1
R 50X5X221	50.0	5.00	221.0	0.2291	531.1
R 50X5X237	50.0	5.00	237.0	0.2086	577.6
R 50X5X238	50.0	5.00	238.0	0.2086	578.6
R 50X5X240	50.0	5.00	240.0	0.2025	590.7
R 50X5X260	50.0	5.00	260.0	0.1815	651.4
R 50X5X272	50.0	5.00	272.0	0.1725	683.7

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 50X5X274	50.0	5.00	274.0	0.1684	695.9
R 50X5X300	50.0	5.00	300.0	0.1503	772.7
R 50X5X303	50.0	5.00	303.0	0.1503	775.7
R 50X5X304	50.0	5.00	304.0	0.1471	786.9
R 50X5X305	50.0	5.00	305.0	0.1471	787.9
R 50X5X320	50.0	5.00	320.0	0.1384	833.4
R 50X5X337	50.0	5.00	337.0	0.1306	880.9
R 50X5X338	50.0	5.00	338.0	0.1306	881.9
R 50X5X340	50.0	5.00	340.0	0.1282	894.1
R 50X5X377	50.0	5.00	377.0	0.1136	1002.2
R 50X5X378	50.0	5.00	378.0	0.1136	1003.2
R 50X5X417	50.0	5.00	417.0	0.1005	1123.5
R 50X5X418	50.0	5.00	418.0	0.1005	1124.5
R 50X5.5X203	50.0	5.50	203.0	0.4318	414.2
R 50X5.5X220	50.0	5.50	220.0	0.3847	457.0
R 50X5.5X222	50.0	5.50	222.0	0.3712	467.6
R 50X5.5X230	50.0	5.50	230.0	0.3586	484.3
R 50X5.5X236	50.0	5.50	236.0	0.3468	498.9
R 50X5.5X240	50.0	5.50	240.0	0.3358	511.5
R 50X5.5X241	50.0	5.50	241.0	0.3358	512.5
R 50X5.5X250	50.0	5.50	250.0	0.3158	538.7
R 50X5.5X252	50.0	5.50	252.0	0.3158	540.7
R 50X5.5X254	50.0	5.50	254.0	0.3158	542.7
R 50X5.5X270	50.0	5.50	270.0	0.2898	584.6
R 50X5.5X280	50.0	5.50	280.0	0.2748	611.8
R 50X5.5X290	50.0	5.50	290.0	0.2612	639.1
R 50X5.5X292	50.0	5.50	292.0	0.2612	641.1
R 50X5.5X308	50.0	5.50	308.0	0.2432	682.9
R 50X5.5X310	50.0	5.50	310.0	0.2377	693.5
R 50X5.5X320	50.0	5.50	320.0	0.2325	712.2
R 50X5.5X324	50.0	5.50	324.0	0.2275	724.8
R 50X5.5X326	50.0	5.50	326.0	0.2275	726.8
R 50X5.5X330	50.0	5.50	330.0	0.2227	739.4
R 50X5.5X340	50.0	5.50	340.0	0.2137	766.6
R 50X5.5X362	50.0	5.50	362.0	0.1977	823.1
R 50X5.5X364	50.0	5.50	364.0	0.1977	825.1
R 50X5.5X406	50.0	5.50	406.0	0.1720	936.1
R 50X5.5X408	50.0	5.50	408.0	0.1720	938.1
R 50X5.5X450	50.0	5.50	450.0	0.1522	1049.0
R 50X5.5X452	50.0	5.50	452.0	0.1522	1051.0
R 50.8X4.5X139.7	50.8	4.50	139.7	0.2715	335.4

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 50.8X4.5X152.4	50.8	4.50	152.4	0.2275	385.9
R 50.8X4.5X165.1	50.8	4.50	165.1	0.2053	423.9
R 50.8X4.5X177.8	50.8	4.50	177.8	0.1791	474.4
R 50.8X4.5X190.5	50.8	4.50	190.5	0.1588	525.0
R 50.8X4.5X203.2	50.8	4.50	203.2	0.1427	575.6
R 50.8X4.5X228.6	50.8	4.50	228.6	0.1220	664.1
R 50.8X4.5X240	50.8	4.50	240.0	0.1122	713.4
R 50.8X4.5X254	50.8	4.50	254.0	0.1039	765.2
R 50.8X4.5X280	50.8	4.50	280.0	0.0905	867.0
R 50.8X4.5X300	50.8	4.50	300.0	0.0833	937.5
R 50.8X4.5X320	50.8	4.50	320.0	0.0758	1020.6
R 50.8X4.5X340	50.8	4.50	340.0	0.0707	1091.1
R 50.8X5.3X120	50.8	5.30	120.0	0.8983	210.9
R 50.8X5.3X139.7	50.8	5.30	139.7	0.6321	268.9
R 50.8X5.3X152.4	50.8	5.30	152.4	0.5506	300.7
R 50.8X5.3X165.1	50.8	5.30	165.1	0.4613	342.1
R 50.8X5.3X177.8	50.8	5.30	177.8	0.4163	374.0
R 50.8X5.3X180	50.8	5.30	180.0	0.4163	376.2
R 50.8X5.3X190	50.8	5.30	190.0	0.3793	405.3
R 50.8X5.3X190.5	50.8	5.30	190.5	0.3793	405.8
R 50.8X5.3X200	50.8	5.30	200.0	0.3483	434.5
R 50.8X5.3X203	50.8	5.30	203.0	0.3347	447.0
R 50.8X5.3X203.2	50.8	5.30	203.2	0.3347	447.2
R 50.8X5.3X220	50.8	5.30	220.0	0.2994	492.7
R 50.8X5.3X228.6	50.8	5.30	228.6	0.2893	510.9
R 50.8X5.3X240	50.8	5.30	240.0	0.2626	551.0
R 50.8X5.3X254	50.8	5.30	254.0	0.2474	584.2
R 50.8X5.3X280	50.8	5.30	280.0	0.2160	658.0
R 50.8X5.3X320	50.8	5.30	320.0	0.1797	774.6
R 50.8X5.3X340	50.8	5.30	340.0	0.1657	832.8
R 50.8X5.3X355	50.8	5.30	355.0	0.1595	867.0
R 55X5X127	55.0	5.00	127.0	0.4851	262.1
R 55X5X157	55.0	5.00	157.0	0.3087	369.4
R 55X5X202	55.0	5.00	202.0	0.1998	530.2
R 55X5X227	55.0	5.00	227.0	0.1670	619.6
R 55X5X300	55.0	5.00	300.0	0.1145	872.7
R 55X5X340	55.0	5.00	340.0	0.0970	1015.7
R 55X5X377	55.0	5.00	377.0	0.0842	1155.7
R 60X5.5X236	60.0	5.50	236.0	0.2094	609.7
R 60X5.5X238	60.0	5.50	238.0	0.2021	625.3
R 60X5.5X250	60.0	5.50	250.0	0.1888	664.4

Referenz Nummer	Außendurchmesser r (mm) De	Drahtdurchmesser (mm) d	Freie Länge (mm) Lo	Steifheit (DaN/mm)	Länge maximal (mm)
R 60X5.5X268	60.0	5.50	268.0	0.1719	723.2
R 60X5.5X270	60.0	5.50	270.0	0.1719	725.2
R 60X5.5X280	60.0	5.50	280.0	0.1622	762.4
R 60X5.5X290	60.0	5.50	290.0	0.1536	799.5
R 60X5.5X306	60.0	5.50	306.0	0.1422	856.3
R 60X5.5X308	60.0	5.50	308.0	0.1422	858.3
R 60X5.5X320	60.0	5.50	320.0	0.1355	897.5
R 60X5.5X340	60.0	5.50	340.0	0.1238	971.8
R 60X5.5X342	60.0	5.50	342.0	0.1238	973.8
R 60X5.5X378	60.0	5.50	378.0	0.1076	1104.9
R 60X5.5X380	60.0	5.50	380.0	0.1076	1106.9
R 60X5.5X422	60.0	5.50	422.0	0.0936	1257.6
R 60X5.5X424	60.0	5.50	424.0	0.0936	1259.6
R 60X5.5X466	60.0	5.50	466.0	0.0829	1410.4
R 60X5.5X468	60.0	5.50	468.0	0.0829	1412.4

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
0.363	R
0.363	R
0.363	R
0.363	R
0.363	R
0.363	R
0.262	R
0.262	R
0.262	R
0.262	R
0.262	R
0.262	R
0.262	R
0.262	R
0.262	R
0.262	R
0.262	R
0.262	R
0.262	R
0.262	R
0.262	R
0.262	R
0.262	R
0.262	R
0.262	R
0.262	R
0.262	R
0.262	R
0.262	R
0.342	R
0.342	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
0.342	R
0.342	R
0.342	R
0.342	R
0.342	R
0.342	R
0.342	R
0.342	R
0.342	R
0.342	R
0.342	R
0.342	R
0.342	R
0.342	R
0.342	R
0.342	R
0.342	R
0.666	R
0.666	R
0.666	R
0.666	R
0.666	R
0.666	R
0.666	R
0.666	R
0.666	R
0.666	R
0.666	R
0.666	R
0.666	R
0.666	R
0.666	R
0.666	R
0.278	R
0.278	R
0.278	R
0.278	R
0.278	R
0.278	R
0.278	R
0.278	R
0.278	R
0.278	R
0.278	R
0.278	R
0.278	R
0.278	R
0.398	R
0.398	R
0.398	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
1.197	R
1.197	R
1.197	R
1.197	R
2.195	R
2.195	R
2.195	R
2.195	R
2.195	R
0.159	R
0.159	R
0.159	R
0.159	R
0.159	R
0.159	R
0.159	R
0.159	R
0.159	R
0.159	R
1.117	R
0.154	R
0.154	R
0.154	R
0.154	R
0.154	R
0.154	R
0.154	R
0.154	R
0.154	R
0.154	R
0.154	R
0.289	R
0.289	R
0.289	R
0.289	R
0.289	R
0.289	R
0.289	R
0.289	R
0.289	R
0.289	R
0.399	R
0.399	R
0.484	R
0.580	R
0.580	R
0.580	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
0.580	R
0.580	R
0.580	R
0.580	R
0.580	R
2.581	R
2.581	R
2.581	R
2.581	R
2.581	R
1.047	R
1.047	R
1.047	R
1.047	R
1.047	R
1.047	R
1.047	R
1.047	R
1.047	R
1.047	R
1.047	R
1.047	R
1.047	R
1.450	R
0.144	R
0.144	R
0.144	R
0.144	R
0.699	R
0.699	R
0.699	R
0.699	R
0.699	R
0.699	R
0.699	R
0.699	R
0.756	R
0.756	R
0.756	R
0.756	R
0.756	R
0.756	R
1.015	R
1.015	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
3.808	R
3.808	R
3.808	R
3.808	R
0.527	R
0.527	R
0.527	R
0.527	R
0.527	R
0.985	R
0.985	R
0.985	R
0.985	R
0.985	R
0.985	R
0.985	R
0.985	R
0.985	R
0.985	R
0.985	R
1.365	R
1.365	R
1.365	R
1.365	R
1.365	R
1.825	R
1.825	R
1.825	R
1.825	R
3.710	R
0.135	R
0.255	R
0.255	R
0.351	R
0.351	R
0.426	R
0.426	R
0.426	R
0.426	R
0.658	R
0.658	R
0.658	R
0.658	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
0.856	R
0.856	R
1.190	R
1.190	R
1.595	R
2.181	R
2.181	R
1.556	R
1.556	R
1.556	R
1.556	R
1.556	R
1.556	R
1.556	R
1.556	R
1.556	R
1.556	R
1.556	R
1.556	R
1.556	R
1.556	R
3.126	R
3.126	R
3.126	R
3.126	R
3.126	R
3.126	R
3.126	R
3.126	R
3.126	R
3.126	R
3.126	R
3.126	R
3.126	R
0.146	R
0.423	R
0.423	R
0.423	R
0.423	R
0.794	R
1.104	R
1.104	R
1.104	R
1.104	R
1.482	R
1.482	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
1.482	R
1.482	R
2.029	R
2.029	R
2.029	R
0.205	R
0.344	R
0.344	R
0.532	R
0.532	R
0.532	R
0.532	R
0.532	R
0.532	R
0.532	R
0.532	R
0.532	R
0.532	R
0.532	R
0.532	R
0.532	R
0.532	R
0.532	R
0.532	R
0.532	R
0.532	R
0.532	R
0.576	R
0.576	R
0.576	R
0.576	R
0.576	R
0.775	R
0.775	R
0.775	R
0.775	R
0.775	R
0.775	R
0.775	R
0.775	R
0.775	R
0.775	R
0.775	R
0.775	R
1.078	R
1.078	R
1.078	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
5.588	R
5.588	R
5.588	R
5.588	R
5.588	R
6.511	R
6.511	R
6.511	R
6.511	R
6.511	R
0.465	R
0.465	R
0.465	R
0.465	R
0.465	R
0.503	R
0.503	R
0.503	R
0.503	R
0.678	R
0.678	R
0.678	R
0.678	R
0.678	R
0.678	R
0.678	R
0.678	R
0.678	R
0.678	R
0.678	R
0.678	R
0.678	R
0.678	R
0.678	R
0.678	R
0.678	R
0.678	R
0.678	R
0.678	R
0.678	R
0.945	R
0.945	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
1.743	R
1.743	R
1.743	R
1.743	R
1.743	R
2.111	R
2.111	R
2.111	R
2.111	R
2.111	R
2.111	R
2.111	R
2.111	R
2.111	R
2.111	R
2.111	R
2.111	R
2.111	R
2.635	R
2.635	R
2.635	R
2.635	R
2.635	R
2.635	R
2.635	R
2.635	R
2.635	R
2.635	R
2.635	R
2.635	R
2.635	R
2.635	R
2.635	R
2.635	R
2.635	R
2.635	R
2.635	R
2.635	R
2.635	R
2.635	R
2.635	R
2.635	R
2.635	R
2.635	R
2.635	R
2.635	R
2.635	R
2.635	R
2.635	R
2.635	R
3.905	R
3.905	R
3.905	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
1.708	R
1.708	R
1.708	R
2.584	R
3.831	R
3.831	R
0.237	R
0.288	R
0.446	R
0.446	R
0.446	R
0.446	R
0.446	R
0.446	R
0.483	R
0.483	R
0.483	R
0.483	R
0.483	R
0.483	R
0.483	R
0.483	R
0.483	R
0.483	R
0.483	R
0.483	R
0.483	R
0.483	R
0.483	R
0.483	R
0.483	R
0.483	R
0.483	R
0.483	R
0.483	R
0.483	R
0.483	R
0.483	R
0.483	R
0.483	R
0.483	R
0.651	R
0.651	R
0.651	R
0.651	R
0.651	R
0.651	R
0.907	R
0.907	R
0.907	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
4.485	R
4.485	R
4.485	R
4.485	R
4.485	R
4.485	R
4.485	R
4.485	R
4.485	R
4.485	R
4.485	R
6.170	R
10.493	R
0.165	R
0.165	R
0.165	R
0.165	R
0.227	R
0.227	R
0.227	R
0.227	R
0.227	R
0.227	R
0.227	R
0.872	R
0.872	R
0.872	R
0.872	R
0.872	R
0.872	R
0.872	R
0.872	R
0.872	R
0.872	R
0.872	R
0.872	R
0.872	R
0.872	R
0.872	R
0.872	R
0.872	R
0.872	R
1.173	R
1.173	R
1.173	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
2.997	R
2.997	R
2.997	R
2.997	R
2.997	R
2.997	R
2.997	R
2.997	R
2.997	R
2.997	R
2.997	R
2.997	R
2.997	R
2.997	R
2.997	R
2.997	R
2.997	R
3.625	R
4.326	R
4.326	R
4.326	R
4.326	R
4.326	R
4.326	R
4.326	R
4.326	R
4.326	R
4.326	R
4.326	R
4.326	R
4.326	R
4.326	R
7.906	R
7.906	R
7.906	R
1.582	R
1.582	R
1.582	R
2.397	R
2.943	R
1.130	R
1.553	R
2.354	R
2.891	R
2.891	R
2.891	R
2.891	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
2.196	R
2.196	R
2.196	R
2.700	R
2.700	R
2.700	R
4.616	R
5.397	R
3.784	R
3.784	R
3.784	R
3.784	R
3.784	R
3.784	R
3.784	R
3.784	R
3.784	R
3.784	R
0.395	R
1.377	R
1.377	R
1.377	R
1.377	R
1.377	R
1.672	R
1.672	R
1.672	R
1.672	R
2.571	R
6.867	R
6.867	R
6.867	R
11.206	R
0.359	R
0.359	R
0.359	R
0.359	R
0.359	R
0.359	R
0.389	R
1.288	R
1.288	R
1.288	R
1.288	R
1.288	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
1.288	R
1.288	R
1.288	R
1.288	R
1.355	R
1.355	R
1.355	R
1.355	R
1.645	R
2.058	R
2.058	R
2.058	R
2.058	R
2.058	R
2.058	R
2.058	R
2.058	R
2.058	R
2.058	R
2.058	R
3.067	R
3.067	R
3.067	R
3.668	R
3.668	R
3.668	R
3.668	R
3.668	R
3.668	R
3.668	R
3.668	R
3.668	R
3.668	R
3.668	R
3.668	R
3.668	R
3.668	R
3.668	R
3.668	R
3.668	R
3.668	R
4.336	R
4.336	R
5.074	R
5.074	R
5.074	R
5.074	R
5.074	R
6.767	R
6.767	R
6.767	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
6.669	R
6.669	R
6.669	R
6.669	R
6.669	R
6.669	R
6.669	R
6.669	R
6.669	R
6.669	R
6.669	R
6.669	R
6.669	R
6.669	R
6.669	R
1.313	R
1.594	R
1.594	R
2.975	R
0.500	R
0.500	R
0.698	R
0.698	R
0.698	R
0.698	R
0.698	R
0.698	R
0.698	R
0.698	R
0.698	R
0.698	R
0.698	R
0.940	R
0.940	R
0.940	R
0.940	R
0.940	R
0.940	R
0.940	R
0.940	R
0.940	R
0.940	R
1.230	R
1.230	R
1.230	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
1.936	R
1.936	R
1.936	R
1.936	R
1.936	R
1.936	R
1.936	R
1.936	R
2.382	R
2.382	R
2.888	R
2.888	R
2.888	R
2.888	R
2.888	R
2.888	R
2.888	R
2.888	R
2.888	R
2.888	R
2.888	R
2.888	R
2.888	R
2.888	R
2.888	R
2.888	R
2.888	R
2.888	R
2.888	R
3.455	R
3.455	R
3.455	R
3.455	R
3.455	R
3.455	R
3.455	R
3.455	R
3.455	R
3.455	R
4.087	R
4.087	R
4.785	R
4.785	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
4.785	R
6.391	R
6.391	R
6.391	R
8.284	R
10.473	R
10.473	R
10.473	R
15.758	R
18.846	R
0.912	R
0.912	R
0.912	R
0.912	R
0.912	R
0.912	R
0.912	R
0.912	R
0.912	R
0.912	R
0.912	R
0.912	R
0.912	R
0.912	R
0.912	R
0.912	R
0.912	R
0.912	R
0.912	R
0.912	R
0.912	R
1.255	R
1.255	R
1.908	R
1.908	R
0.898	R
1.219	R
1.219	R
1.219	R
1.854	R
4.589	R
4.589	R
0.873	R
0.873	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
0.873	R
0.873	R
1.828	R
4.527	R
4.527	R
4.527	R
1.802	R
1.802	R
1.802	R
1.802	R
1.802	R
1.802	R
1.802	R
1.802	R
1.802	R
1.802	R
1.802	R
1.802	R
0.451	R
0.451	R
0.451	R
0.451	R
0.451	R
0.451	R
0.451	R
0.451	R
0.451	R
0.451	R
1.778	R
1.778	R
1.778	R
1.778	R
1.778	R
1.778	R
1.778	R
1.778	R
1.778	R
1.778	R
1.778	R
5.894	R
5.894	R
5.894	R
5.894	R
14.663	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
4.293	R
7.463	R
20.366	R
5.673	R
5.673	R
5.673	R
5.673	R
5.673	R
5.673	R
5.673	R
5.673	R
5.673	R
5.673	R
5.673	R
0.597	R
0.597	R
0.597	R
0.597	R
0.597	R
0.597	R
0.597	R
0.597	R
0.597	R
3.015	R
3.015	R
4.185	R
4.185	R
5.602	R
0.589	R
0.589	R
0.589	R
0.589	R
0.589	R
0.589	R
2.049	R
2.049	R
2.049	R
2.049	R
2.049	R
2.486	R
5.533	R
5.533	R
5.533	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
5.533	R
7.193	R
7.193	R
7.193	R
7.193	R
7.193	R
10.197	R
10.197	R
10.197	R
10.197	R
10.197	R
10.197	R
10.197	R
10.197	R
16.637	R
2.455	R
2.455	R
2.455	R
2.455	R
2.455	R
2.455	R
2.455	R
2.455	R
2.455	R
2.455	R
2.455	R
2.455	R
2.940	R
2.940	R
2.940	R
2.940	R
2.940	R
2.940	R
2.940	R
2.940	R
2.940	R
2.940	R
2.940	R
2.940	R
2.940	R
4.082	R
4.082	R
4.082	R
4.082	R
4.082	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
13.687	R
13.687	R
13.687	R
13.687	R
13.687	R
13.687	R
13.687	R
13.687	R
13.687	R
13.687	R
13.687	R
13.687	R
2.904	R
2.904	R
2.904	R
2.904	R
2.904	R
2.904	R
2.904	R
2.904	R
2.904	R
2.904	R
2.904	R
2.904	R
7.024	R
7.024	R
7.024	R
7.024	R
7.024	R
7.024	R
7.024	R
7.024	R
7.024	R
7.024	R
7.024	R
9.963	R
9.963	R
9.963	R
9.963	R
9.963	R
9.963	R
9.963	R
9.963	R
9.963	R
9.963	R
2.869	R
3.984	R
7.294	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
0.754	R
0.754	R
1.039	R
1.039	R
1.583	R
1.583	R
1.583	R
1.583	R
1.949	R
1.949	R
1.949	R
1.949	R
1.949	R
1.949	R
2.366	R
2.366	R
2.366	R
2.366	R
2.366	R
2.366	R
2.366	R
2.366	R
2.366	R
2.366	R
2.366	R
2.366	R
2.834	R
2.834	R
2.834	R
3.937	R
3.937	R
3.937	R
5.274	R
5.274	R
5.274	R
5.274	R
5.274	R
5.274	R
5.274	R
5.274	R
7.210	R
8.711	R
8.711	R
8.711	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
13.240	R
13.240	R
13.240	R
0.745	R
0.745	R
0.745	R
0.745	R
0.745	R
1.248	R
1.248	R
1.248	R
1.248	R
1.248	R
1.248	R
1.248	R
1.248	R
1.248	R
1.248	R
1.248	R
1.248	R
1.248	R
1.248	R
1.248	R
1.248	R
1.248	R
1.248	R
1.248	R
1.248	R
1.248	R
1.248	R
1.248	R
1.248	R
1.248	R
1.563	R
1.563	R
1.563	R
1.563	R
1.563	R
1.563	R
1.563	R
1.563	R
1.926	R
1.926	R
1.926	R
1.926	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
8.613	R
8.613	R
8.613	R
9.630	R
9.630	R
9.630	R
9.630	R
9.630	R
9.630	R
9.630	R
9.630	R
9.630	R
9.630	R
9.630	R
9.630	R
9.630	R
9.630	R
9.630	R
9.630	R
9.630	R
9.630	R
9.630	R
9.630	R
9.630	R
13.097	R
13.097	R
13.097	R
13.097	R
15.764	R
15.764	R
15.764	R
15.764	R
15.764	R
15.764	R
15.764	R
15.764	R
15.764	R
18.721	R
18.721	R
18.721	R
18.721	R
18.721	R
18.721	R
1.859	R
3.203	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
3.203	R
3.203	R
3.203	R
5.037	R
5.037	R
5.037	R
10.370	R
10.370	R
10.370	R
10.370	R
12.684	R
3.715	R
3.715	R
3.715	R
4.981	R
6.485	R
6.485	R
6.485	R
6.485	R
12.551	R
3.674	R
3.674	R
3.674	R
3.674	R
8.152	R
8.152	R
8.152	R
8.152	R
8.152	R
1.458	R
1.458	R
1.458	R
1.458	R
1.458	R
1.458	R
1.776	R
1.776	R
1.776	R
1.776	R
2.157	R
3.594	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
4.436	R
5.783	R
5.783	R
6.079	R
6.079	R
6.079	R
7.359	R
7.359	R
7.359	R
7.359	R
8.237	R
9.176	R
9.176	R
9.176	R
9.176	R
9.176	R
9.176	R
9.176	R
9.176	R
9.176	R
9.176	R
11.245	R
11.245	R
11.245	R
11.245	R
11.245	R
11.245	R
11.245	R
11.245	R
11.245	R
11.245	R
11.245	R
11.245	R
11.245	R
11.245	R
11.245	R
11.245	R
16.172	R
16.172	R
16.172	R
16.172	R
16.172	R
22.190	R
22.190	R
2.352	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
13.448	R
13.448	R
13.448	R
13.448	R
13.448	R
16.024	R
16.024	R
16.024	R
16.024	R
16.024	R
16.024	R
16.024	R
16.024	R
16.024	R
16.024	R
16.024	R
16.024	R
16.024	R
16.024	R
16.024	R
16.024	R
16.024	R
18.871	R
1.014	R
4.266	R
4.266	R
4.266	R
4.266	R
10.832	R
15.594	R
0.599	R
0.599	R
0.599	R
0.599	R
0.599	R
0.599	R
0.599	R
0.599	R
0.599	R
1.552	R
1.552	R
1.552	R
1.552	R
1.552	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
3.857	R
3.857	R
3.857	R
3.857	R
3.857	R
3.857	R
7.185	R
7.185	R
7.185	R
7.185	R
7.185	R
7.185	R
7.185	R
7.185	R
7.185	R
7.185	R
7.185	R
7.185	R
9.831	R
9.831	R
9.831	R
14.188	R
14.188	R
14.188	R
14.188	R
14.188	R
33.449	R
33.449	R
33.449	R
33.449	R
33.449	R
1.402	R
1.402	R
1.402	R
1.402	R
1.402	R
1.402	R
1.402	R
1.402	R
1.402	R
1.402	R
2.424	R
2.846	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
2.846	R
2.846	R
2.846	R
2.846	R
2.846	R
2.846	R
2.846	R
2.846	R
3.824	R
3.824	R
3.824	R
3.824	R
3.824	R
3.824	R
3.824	R
3.824	R
3.824	R
3.824	R
4.991	R
4.991	R
4.991	R
4.991	R
5.249	R
6.360	R
6.360	R
6.360	R
6.360	R
6.360	R
6.360	R
6.360	R
6.360	R
6.360	R
6.360	R
6.360	R
6.360	R
6.360	R
6.360	R
6.360	R
7.124	R
7.124	R
7.124	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
24.073	R
16.500	R
16.500	R
17.820	R
5.770	R
1.517	R
2.160	R
2.160	R
2.537	R
2.537	R
2.537	R
2.537	R
2.537	R
2.537	R
2.537	R
2.537	R
2.537	R
2.537	R
2.537	R
2.537	R
2.537	R
2.537	R
2.537	R
3.411	R
3.411	R
3.411	R
3.411	R
3.411	R
3.411	R
3.411	R
3.411	R
3.411	R
3.411	R
3.411	R
3.411	R
3.411	R
3.411	R
4.455	R
4.455	R
4.455	R
4.455	R
4.455	R
4.455	R
4.455	R
4.455	R
4.455	R
4.455	R
4.455	R
4.455	R
4.455	R
4.455	R
4.455	R
4.455	R
4.686	R
6.366	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
6.366	R
6.366	R
6.366	R
6.366	R
6.366	R
6.366	R
6.366	R
6.366	R
6.366	R
8.724	R
8.724	R
8.724	R
8.724	R
8.724	R
8.724	R
8.724	R
8.724	R
8.724	R
8.724	R
8.724	R
10.560	R
10.560	R
10.560	R
10.560	R
12.618	R
12.618	R
12.618	R
12.618	R
12.618	R
12.618	R
12.618	R
12.618	R
17.432	R
17.432	R
17.432	R
17.432	R
17.432	R
17.432	R
17.432	R
20.201	R
17.306	R
23.056	R
1.494	R
2.127	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
15.906	R
17.182	R
17.182	R
17.182	R
17.182	R
17.182	R
17.182	R
17.182	R
17.182	R
17.182	R
17.182	R
17.182	R
19.914	R
19.914	R
19.914	R
19.914	R
19.914	R
19.914	R
19.914	R
19.914	R
19.914	R
19.914	R
19.914	R
19.914	R
19.914	R
19.914	R
19.914	R
19.914	R
19.914	R
19.914	R
19.914	R
19.914	R
19.914	R
19.914	R
19.914	R
19.914	R
19.914	R
19.914	R
19.914	R
19.914	R
19.914	R
19.914	R
19.914	R
19.914	R
22.894	R
22.894	R
22.894	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
3.284	R
3.284	R
3.284	R
3.284	R
3.284	R
3.284	R
3.284	R
3.284	R
3.284	R
3.284	R
3.284	R
3.284	R
4.290	R
4.290	R
4.290	R
4.290	R
4.290	R
4.290	R
4.290	R
4.290	R
4.290	R
4.290	R
4.290	R
4.290	R
4.290	R
4.290	R
4.290	R
4.290	R
4.512	R
4.512	R
5.472	R
5.472	R
5.472	R
5.472	R
5.472	R
5.472	R
5.472	R
5.472	R
5.472	R
5.472	R
5.472	R
5.472	R
5.472	R
5.472	R
5.472	R
5.472	R
6.133	R
6.133	R
6.841	R
6.841	R
8.407	R
8.407	R
12.166	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
12.166	R
12.166	R
12.166	R
12.166	R
12.166	R
12.166	R
12.166	R
12.166	R
12.166	R
15.569	R
15.569	R
16.819	R
16.819	R
16.819	R
16.819	R
19.498	R
19.498	R
19.498	R
19.498	R
19.498	R
19.498	R
22.421	R
22.421	R
22.421	R
22.421	R
22.421	R
22.421	R
22.421	R
22.421	R
22.421	R
22.421	R
22.421	R
22.421	R
22.421	R
22.421	R
22.421	R
22.421	R
32.696	R
32.696	R
40.833	R
40.833	R
40.833	R
12.080	R
12.080	R
12.080	R
12.080	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
19.230	R
19.230	R
21.818	R
2.354	R
3.166	R
3.166	R
3.166	R
3.166	R
3.166	R
3.166	R
3.166	R
3.166	R
3.166	R
3.166	R
33.524	R
27.886	R
5.833	R
5.833	R
5.833	R
5.833	R
5.833	R
5.833	R
5.833	R
5.833	R
5.833	R
5.833	R
5.833	R
5.833	R
5.833	R
11.351	R
15.710	R
20.969	R
20.969	R
20.969	R
51.795	R
51.795	R
51.795	R
51.795	R
51.795	R
11.276	R
11.276	R
11.276	R
11.276	R
11.276	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
11.276	R
11.276	R
11.276	R
11.276	R
11.276	R
11.276	R
5.028	R
5.636	R
5.636	R
5.636	R
15.504	R
15.504	R
15.504	R
15.504	R
15.504	R
15.504	R
15.504	R
15.504	R
15.504	R
15.504	R
15.504	R
15.504	R
15.504	R
15.504	R
15.504	R
15.504	R
15.504	R
15.504	R
20.699	R
20.699	R
20.699	R
30.265	R
30.265	R
30.265	R
30.265	R
30.265	R
30.265	R
30.265	R
30.265	R
61.343	R
4.994	R
4.994	R
4.994	R
7.680	R
7.680	R
7.680	R
7.680	R
7.680	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
8.891	R
8.891	R
8.891	R
8.891	R
8.891	R
14.733	R
14.733	R
19.685	R
25.541	R
25.541	R
25.541	R
25.541	R
25.541	R
27.152	R
32.343	R
36.108	R
36.108	R
36.108	R
36.108	R
36.108	R
36.108	R
36.108	R
36.108	R
36.108	R
36.108	R
36.108	R
36.108	R
36.108	R
10.570	R
16.994	R
44.129	R
10.311	R
10.311	R
10.311	R
10.311	R
10.311	R
10.311	R
10.311	R
10.311	R
10.311	R
10.311	R
10.311	R
10.311	R
10.311	R
2.717	R
4.535	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
14.033	R
14.033	R
14.033	R
14.033	R
14.033	R
14.033	R
14.033	R
14.033	R
14.033	R
16.291	R
16.291	R
16.291	R
16.291	R
18.762	R
18.762	R
18.762	R
18.762	R
18.762	R
18.762	R
18.762	R
18.762	R
18.762	R
18.762	R
18.762	R
18.762	R
18.762	R
24.361	R
27.501	R
27.501	R
27.501	R
27.501	R
27.501	R
30.875	R
30.875	R
30.875	R
34.485	R
56.192	R
56.192	R
56.192	R
56.192	R
3.531	R
3.531	R
3.531	R
4.507	R
4.507	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
12.904	R
12.904	R
12.904	R
12.904	R
16.196	R
21.325	R
21.325	R
21.325	R
28.993	R
30.700	R
66.266	R
66.266	R
66.266	R
5.023	R
5.023	R
5.023	R
5.023	R
5.023	R
5.023	R
5.023	R
5.023	R
5.023	R
5.023	R
5.023	R
5.023	R
5.023	R
6.897	R
6.897	R
6.897	R
6.897	R
6.897	R
6.897	R
6.897	R
6.897	R
6.897	R
6.897	R
6.897	R
6.897	R
6.897	R
6.897	R
6.897	R
6.897	R
6.897	R
6.897	R
6.897	R
6.897	R
10.005	R
10.005	R
10.005	R
10.005	R
10.005	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
6.696	R
6.696	R
6.696	R
6.696	R
6.696	R
6.696	R
9.715	R
9.715	R
9.715	R
9.715	R
9.715	R
9.715	R
9.715	R
9.715	R
9.715	R
9.715	R
9.715	R
9.715	R
9.715	R
9.715	R
9.715	R
9.715	R
11.498	R
12.460	R
12.460	R
12.460	R
12.460	R
12.460	R
12.460	R
12.460	R
12.460	R
12.460	R
12.460	R
12.460	R
12.460	R
12.460	R
12.460	R
12.460	R
12.460	R
12.460	R
12.460	R
12.460	R
13.471	R
15.643	R
15.643	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
18.020	R
9.660	R
13.395	R
6.618	R
6.618	R
6.618	R
6.618	R
6.618	R
9.604	R
9.604	R
9.604	R
6.506	R
9.442	R
9.442	R
9.442	R
9.442	R
9.442	R
9.442	R
4.683	R
4.683	R
4.683	R
4.683	R
4.683	R
4.683	R
3.402	R
17.146	R
17.146	R
17.146	R
17.146	R
25.178	R
9.184	R
19.509	R
38.760	R
38.760	R
38.760	R
38.760	R
38.760	R
9.134	R
9.134	R
9.134	R
9.134	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
9.134	R
9.134	R
9.134	R
9.134	R
9.134	R
9.134	R
9.134	R
38.173	R
50.718	R
26.017	R
16.608	R
16.608	R
16.608	R
16.608	R
16.608	R
16.608	R
16.608	R
16.608	R
16.608	R
30.653	R
30.653	R
30.653	R
50.223	R
50.223	R
50.223	R
50.223	R
50.223	R
50.223	R
50.223	R
81.511	R
81.511	R
81.511	R
81.511	R
81.511	R
81.511	R
81.511	R
81.511	R
14.261	R
41.291	R
49.737	R
49.737	R
49.737	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
54.312	R
30.192	R
37.231	R
16.184	R
16.184	R
29.893	R
29.893	R
29.893	R
29.893	R
29.893	R
29.893	R
29.893	R
29.893	R
29.893	R
29.893	R
29.893	R
29.893	R
29.893	R
29.893	R
29.893	R
8.662	R
16.101	R
16.101	R
16.101	R
16.101	R
16.101	R
16.101	R
16.101	R
16.101	R
23.670	R
24.984	R
24.984	R
24.984	R
29.598	R
36.508	R
36.508	R
36.508	R
36.508	R
36.508	R
36.508	R
3.791	R
3.791	R
3.791	R
3.791	R
3.791	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
13.690	R
13.690	R
13.690	R
13.690	R
13.690	R
13.690	R
13.690	R
13.690	R
13.690	R
13.690	R
13.690	R
13.690	R
13.690	R
13.690	R
15.780	R
15.780	R
15.780	R
15.780	R
15.780	R
15.780	R
15.780	R
15.780	R
15.780	R
20.532	R
20.532	R
20.532	R
20.532	R
20.532	R
20.532	R
20.532	R
20.532	R
20.532	R
20.532	R
23.205	R
23.205	R
23.205	R
23.205	R
23.205	R
23.205	R
23.205	R
23.205	R
23.205	R
24.617	R
24.617	R
24.617	R
24.617	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
35.984	R
35.984	R
35.984	R
35.984	R
39.722	R
39.722	R
39.722	R
39.722	R
39.722	R
39.722	R
39.722	R
39.722	R
39.722	R
43.685	R
43.685	R
43.685	R
43.685	R
43.685	R
43.685	R
43.685	R
43.685	R
43.685	R
43.685	R
43.685	R
43.685	R
43.685	R
43.685	R
43.685	R
43.685	R
43.685	R
43.685	R
43.685	R
47.875	R
47.875	R
47.875	R
47.875	R
47.875	R
47.875	R
47.875	R
47.875	R
47.875	R
47.875	R
47.875	R
47.875	R
47.875	R
47.875	R
47.875	R
47.875	R
66.962	R
66.962	R
4.230	R
4.230	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
4.230	R
4.230	R
4.230	R
4.230	R
4.230	R
4.230	R
4.230	R
4.230	R
4.230	R
4.230	R
4.230	R
4.230	R
4.230	R
4.230	R
4.230	R
4.230	R
4.230	R
4.230	R
5.813	R
5.813	R
5.813	R
8.444	R
8.444	R
8.444	R
8.444	R
8.444	R
8.444	R
8.444	R
8.444	R
8.444	R
8.444	R
8.444	R
8.444	R
8.444	R
8.444	R
8.444	R
8.444	R
8.444	R
8.444	R
8.444	R
8.444	R
8.444	R
8.444	R
8.444	R
8.444	R
15.702	R
15.702	R
15.702	R
20.432	R
20.432	R
20.432	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
35.812	R
35.812	R
35.812	R
35.812	R
35.812	R
35.812	R
35.812	R
35.812	R
35.812	R
35.812	R
35.812	R
35.812	R
35.812	R
39.534	R
39.534	R
39.534	R
56.688	R
56.688	R
56.688	R
56.688	R
56.688	R
56.688	R
56.688	R
56.688	R
56.688	R
56.688	R
56.688	R
56.688	R
56.688	R
56.688	R
56.688	R
56.688	R
56.688	R
56.688	R
56.688	R
56.688	R
56.688	R
56.688	R
56.688	R
56.688	R
56.688	R
56.688	R
77.578	R
77.578	R
77.578	R
56.429	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
11.217	R
11.217	R
11.217	R
11.217	R
11.217	R
11.217	R
11.217	R
11.217	R
11.217	R
11.217	R
11.217	R
11.217	R
11.217	R
11.217	R
11.217	R
11.217	R
11.217	R
11.217	R
11.217	R
11.217	R
11.217	R
11.217	R
13.036	R
13.036	R
13.036	R
13.036	R
13.036	R
13.036	R
13.036	R
13.036	R
13.036	R
13.036	R
13.036	R
13.036	R
13.036	R
13.036	R
13.036	R
13.036	R
13.036	R
13.036	R
15.030	R
15.030	R
15.030	R
15.030	R
15.030	R
15.030	R
15.030	R
15.030	R
15.030	R
19.565	R
19.565	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
45.723	R
45.723	R
45.723	R
45.723	R
45.723	R
45.723	R
45.723	R
45.723	R
45.723	R
45.723	R
54.429	R
54.429	R
54.429	R
54.429	R
54.429	R
54.429	R
54.429	R
54.429	R
54.429	R
54.429	R
54.429	R
54.429	R
54.429	R
54.429	R
98.503	R
98.503	R
98.503	R
7.849	R
10.903	R
14.613	R
21.510	R
21.510	R
21.510	R
21.510	R
44.517	R
44.517	R
44.517	R
44.517	R
62.407	R
7.813	R
21.413	R
22.720	R
22.720	R
22.720	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
14.347	R
14.347	R
14.347	R
14.347	R
14.347	R
14.347	R
14.347	R
14.347	R
14.347	R
14.347	R
14.347	R
14.347	R
16.426	R
16.426	R
16.426	R
16.426	R
21.124	R
23.754	R
12.218	R
12.218	R
12.218	R
12.218	R
12.218	R
12.218	R
12.218	R
20.751	R
26.112	R
43.000	R
12.164	R
12.164	R
12.164	R
12.164	R
12.164	R
12.164	R
12.164	R
12.164	R
12.164	R
12.164	R
12.164	R
12.164	R
12.164	R
12.164	R
14.028	R
18.270	R
18.270	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
13.722	R
13.722	R
13.722	R
13.722	R
13.722	R
17.875	R
49.963	R
49.963	R
49.963	R
49.963	R
58.865	R
58.865	R
58.865	R
123.916	R
123.916	R
123.916	R
13.604	R
20.042	R
20.042	R
20.042	R
25.227	R
41.578	R
41.578	R
41.578	R
41.578	R
58.389	R
58.389	R
58.389	R
7.269	R
8.611	R
21.179	R
31.040	R
31.040	R
31.040	R
31.040	R
31.040	R
31.040	R
31.040	R
31.040	R
31.040	R
62.882	R
67.832	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
78.402	R
24.910	R
24.910	R
24.910	R
24.910	R
24.910	R
24.910	R
24.910	R
24.910	R
24.910	R
24.910	R
24.910	R
24.910	R
135.752	R
24.399	R
30.155	R
40.244	R
40.244	R
40.244	R
40.244	R
40.244	R
40.244	R
40.244	R
40.244	R
40.244	R
56.556	R
56.556	R
56.556	R
24.299	R
76.013	R
47.602	R
47.602	R
47.602	R
47.602	R
47.602	R
47.602	R
47.602	R
47.602	R
47.602	R
47.602	R
47.602	R
47.602	R
9.485	R
12.724	R
18.758	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
18.758	R
18.758	R
6.795	R
29.088	R
29.088	R
29.088	R
29.088	R
29.088	R
16.450	R
16.450	R
16.450	R
16.450	R
16.450	R
38.687	R
38.687	R
38.687	R
38.687	R
38.687	R
38.687	R
38.687	R
38.687	R
84.313	R
84.313	R
84.313	R
84.313	R
84.313	R
84.313	R
84.313	R
84.313	R
115.279	R
115.279	R
115.279	R
115.279	R
115.279	R
38.390	R
38.390	R
38.390	R
28.637	R
37.952	R
45.103	R
6.504	R
6.504	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
6.504	R
6.504	R
6.504	R
6.504	R
6.504	R
6.504	R
8.358	R
8.358	R
8.358	R
8.358	R
8.358	R
8.358	R
8.358	R
8.358	R
8.358	R
8.358	R
8.358	R
8.358	R
9.043	R
9.043	R
9.043	R
9.043	R
9.043	R
9.043	R
9.043	R
9.043	R
9.043	R
12.134	R
12.134	R
12.134	R
12.134	R
12.134	R
12.134	R
12.134	R
12.134	R
15.819	R
15.819	R
15.819	R
15.819	R
15.819	R
15.819	R
15.819	R
17.896	R
17.896	R
17.896	R
22.544	R
22.544	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
22.206	R
22.206	R
27.464	R
27.464	R
27.464	R
27.464	R
27.464	R
27.464	R
27.464	R
27.464	R
27.464	R
27.464	R
27.464	R
27.464	R
27.464	R
27.464	R
27.464	R
27.464	R
27.464	R
33.433	R
33.433	R
36.694	R
36.694	R
36.694	R
36.694	R
36.694	R
36.694	R
36.694	R
36.694	R
36.694	R
36.694	R
36.694	R
36.694	R
36.694	R
36.694	R
36.694	R
36.694	R
36.694	R
43.785	R
43.785	R
43.785	R
43.785	R
43.785	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
109.826	R
11.683	R
11.683	R
11.683	R
17.235	R
17.235	R
17.235	R
18.295	R
18.295	R
18.295	R
18.295	R
18.295	R
18.295	R
18.295	R
18.295	R
18.295	R
18.295	R
18.295	R
18.295	R
18.295	R
18.295	R
18.295	R
18.295	R
18.295	R
18.295	R
18.295	R
19.395	R
19.395	R
19.395	R
19.395	R
21.717	R
21.717	R
21.717	R
21.717	R
21.717	R
21.717	R
21.717	R
21.717	R
21.717	R
21.717	R
26.863	R
26.863	R
26.863	R
26.863	R
26.863	R
26.863	R
26.863	R
26.863	R
29.696	R
29.696	R
29.696	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
29.696	R
50.558	R
50.558	R
68.379	R
50.379	R
127.277	R
26.669	R
67.207	R
67.207	R
11.304	R
16.681	R
34.769	R
34.769	R
34.769	R
48.990	R
48.990	R
48.990	R
48.990	R
6.033	R
11.263	R
11.263	R
11.263	R
11.263	R
25.917	R
25.917	R
28.653	R
20.582	R
20.582	R
20.582	R
20.582	R
20.582	R
20.582	R
20.582	R
20.582	R
20.582	R
20.582	R
20.582	R
20.582	R
20.582	R
20.582	R
20.230	R
20.230	R
20.230	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
20.230	R
20.230	R
20.230	R
20.230	R
20.230	R
33.478	R
33.478	R
36.637	R
39.975	R
73.440	R
73.440	R
73.440	R
73.440	R
73.440	R
27.586	R
39.708	R
39.708	R
39.708	R
39.708	R
39.708	R
39.708	R
39.708	R
39.708	R
39.708	R
39.708	R
39.708	R
39.708	R
39.708	R
39.708	R
13.989	R
13.989	R
13.989	R
13.989	R
13.989	R
13.989	R
13.989	R
13.989	R
13.989	R
13.989	R
13.989	R
13.989	R
13.989	R
13.989	R
13.989	R
19.956	R
19.956	R
19.956	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
19.956	R
19.956	R
19.956	R
19.956	R
19.956	R
19.956	R
19.956	R
19.956	R
19.956	R
19.956	R
33.032	R
33.032	R
33.032	R
33.032	R
33.032	R
33.032	R
33.032	R
33.032	R
33.032	R
33.032	R
33.032	R
33.032	R
33.032	R
33.032	R
33.032	R
33.032	R
33.032	R
15.777	R
32.922	R
32.922	R
32.922	R
32.922	R
32.922	R
13.894	R
24.532	R
62.674	R
62.674	R
62.674	R
29.494	R
32.384	R
32.384	R
38.676	R
38.676	R
38.676	R
61.876	R
71.125	R
71.125	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
48.987	R
56.797	R
56.797	R
56.797	R
56.797	R
56.797	R
56.797	R
56.797	R
56.797	R
56.797	R
56.797	R
56.797	R
65.327	R
74.596	R
74.596	R
74.596	R
74.596	R
74.596	R
89.924	R
89.924	R
101.114	R
9.547	R
9.547	R
9.547	R
9.547	R
9.547	R
9.547	R
12.459	R
12.459	R
12.459	R
12.459	R
12.459	R
12.459	R
12.459	R
12.459	R
12.459	R
12.459	R
12.459	R
14.103	R
14.103	R
14.103	R
14.103	R
14.103	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
48.698	R
56.465	R
89.411	R
89.411	R
89.411	R
89.411	R
41.021	R
13.688	R
13.688	R
13.688	R
15.411	R
17.266	R
17.266	R
17.266	R
17.266	R
17.266	R
17.266	R
17.266	R
17.266	R
17.266	R
17.266	R
17.266	R
17.266	R
17.266	R
17.266	R
17.266	R
17.266	R
40.432	R
40.432	R
40.432	R
40.432	R
40.432	R
40.432	R
40.086	R
169.752	R
169.752	R
169.752	R
169.312	R
166.285	R
16.538	R
16.538	R
16.538	R
16.538	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
47.889	R
63.015	R
63.015	R
63.015	R
63.015	R
76.082	R
76.082	R
76.082	R
76.082	R
76.082	R
76.082	R
76.082	R
76.082	R
76.082	R
76.082	R
90.688	R
90.688	R
90.688	R
118.584	R
151.091	R
151.091	R
116.074	R
116.074	R
116.074	R
116.074	R
116.074	R
128.268	R
128.268	R
128.268	R
61.196	R
10.020	R
10.020	R
10.020	R
10.020	R
10.020	R
10.020	R
14.320	R
14.320	R
14.320	R
14.320	R
14.320	R
19.634	R
19.634	R
19.634	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
19.634	R
19.634	R
23.783	R
23.783	R
23.783	R
23.783	R
23.783	R
23.783	R
23.783	R
23.783	R
23.783	R
23.783	R
23.783	R
23.783	R
28.443	R
28.443	R
28.443	R
28.443	R
28.443	R
28.443	R
39.389	R
39.389	R
39.389	R
39.389	R
39.389	R
39.389	R
39.389	R
39.389	R
39.389	R
39.389	R
39.389	R
39.389	R
45.717	R
45.717	R
45.717	R
45.717	R
45.717	R
52.642	R
52.642	R
52.642	R
52.642	R
52.642	R
72.685	R
72.685	R
72.685	R
72.685	R
72.685	R

Maximale Kraft (DaN)	Zugfedern mit deutschen Ösen
144.593	R
144.593	R
59.617	R
79.419	R
140.443	R
27.132	R
34.771	R
37.585	R
37.585	R
37.585	R
37.585	R
37.585	R
37.585	R
37.585	R
37.585	R
37.585	R
37.585	R
37.585	R
37.585	R
37.585	R
37.585	R
37.585	R
37.585	R
37.585	R
37.585	R
37.585	R
37.585	R
37.585	R
37.585	R
37.585	R
68.795	R
49.240	R
42.657	R
42.657	R
42.657	R
42.657	R
42.657	R
42.657	R
26.401	R
26.401	R
26.401	R
26.401	R
26.401	R
26.401	R
75.301	R
41.725	R

