

# Conical clamping rings, form A

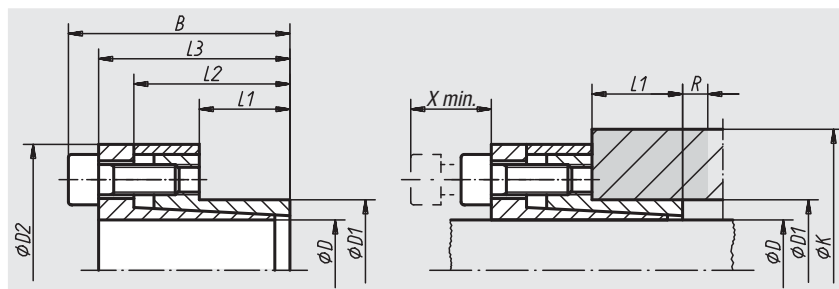


**Material:**  
Steel 1.0503 Natural finish

**Sample order:**  
nlm 23350-2028

**Note:**  
The form A cone clamping rings are particularly suitable for connecting thin-walled hubs to a shaft. The large clamping surface guarantees the hub will be centred running true in the plane.  
Further advantages are: smooth, cheap shafts and hubs, no weakness caused by grooves, great fatigue strength.  
Application: see Technical Information.

The gap  $X_{min}$  must be maintained if the clamping ring is to be loosened without dismantling the neighbouring component.  
The specified minimum values for  $K$  apply if the hub overhang is  $R \geq 0.5 (K-D1)$ .



Order No.	D	D1	D2	B	L1	L2	L3	Torque M Nm transmissible at tightening torque MS	Axial force F kN transmissible at tightening torque MS	Surface pressure on shaft P N/mm <sup>2</sup>	Surface pressure on hub P N/mm <sup>2</sup>
23350-2028	20	28	50	44	18	31	38	186	19	156	111
23350-2534	25	34	56	51	25	38	45	232	19	90	66
23350-3041	30	41	62	51	25	38	45	418	28	112	84
23350-3547	35	47	69	56	30	43	50	650	37	107	80
23350-4053	40	53	75	56	30	43	50	743	37	94	71
23350-4559	45	59	85	73	40	57	65	1563	69	114	87
23350-5065	50	65	92	78	45	62	70	1737	69	114	88
23350-6077	60	77	104	83	50	67	75	2344	78	85	67

Order No.	Number of clamping screws	Clamping screws tightening torque M in Nm	Elasticity limit Re (N/mm <sup>2</sup> ) of the hub material K min mm 200 / 250 / 280 / 320 / 400	X min. mm
23350-2028	4 x M6	15	64 / 57 / 54 / 51 / 47	30
23350-2534	4 x M6	15	62 / 56 / 54 / 51 / 48	30
23350-3041	6 x M6	15	78 / 71 / 68 / 66 / 60	30
23350-3547	8 x M6	15	90 / 82 / 78 / 75 / 69	30
23350-4053	8 x M6	15	94 / 87 / 83 / 80 / 75	30
23350-4559	8 x M8	35	119 / 108 / 103 / 97 / 90	35
23350-5065	10 x M8	35	132 / 119 / 114 / 108 / 99	35
23350-6077	10 x M8	35	137 / 125 / 120 / 115 / 108	35