

Execution:

drop forged, without cracks and wrinkles, acc. DIN EN 10243-1, ready processed

Thread:

according to DIN ISO 13-1, tolerance 6g, also possible in UN or UNC

Allowable stresses:

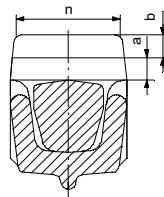
see page 119 and 120

Certification:

according AD-2000: A5, Anl. 2, W2, W7, W10

Certificate:

according to DIN EN 10204-3.1, DIN EN 10204-3.2 and ASME-Code possible



Material*	Equipment
1.4571 (≤ M30)	with plain washer
1.7225 (M12 - M33)	spherical-** or plain washer
1.7033 (M56)	with spherical washer
Gr. B8M, class 1 (≤ M30)	with plain washer
Gr. B7 (≤ M33)	spherical-** or plain washer

Type D	Clamping length M	Length L	Width B	Dimensions							Weight kg/St.		
				a	b	c	d	g	h	n			
M10-K	13 - 24	83	25	4	4	4	6	15	27	20	0,2		
M10-L	22 - 33	92										14	0,2
M10-LS	70 - 83	142											
M12-L	28 - 56	133	34	4	5	4	8	16	38	30	0,5		
M12-L2	55 - 83	160									0,6		
M16-K	40 - 60	165	40	6	7	5	12	25	58	32	1,1		
M16-L	55 - 85	190									1,2		
M16-L2	80 - 110	215									1,3		
M16-LS	95 - 125	230									1,4		
M20-K	50 - 75	195	48	10	9	8	14	30	73	42	2,0		
M20-L	65 - 90	210									2,0		
M20-L2	90 - 130	250									2,2		
M24-K	65 - 95	230	52	10	11	8	14	30	78	46	2,7		
M24-L	90 - 130	265									3,0		
M24-L2	120 - 160	295									3,2		
M24-LS	155 - 195	330									3,4		
M24-LT***	200 - 240	375									3,7		
M24-LU***	245 - 285	420									4,3		
M24-LX	290 - 330	465									4,8		
M27-K	85 - 110	290									63	10	16
M27-L	115 - 145	325	5,0										
M27-L2	150 - 195	375	5,5										
M27-L3	205 - 255	435	6,2										
M27-L4***	260 - 300	480	6,7										
M27-L5***	315 - 355	535	7,4										
M27-LS	340 - 385	565	7,7										
M27-LT***	390 - 430	610	8,6										
M27-LX	440 - 480	680	9,5										
M30 on demand			63	10	16	8	14	40	85	55			
M33-K	100 - 150	380	75	14	20	10	24	48	104	60	9,2		
M33-L	150 - 200	430									10,2		
M33-L2	200 - 250	480									10,9		
M33-L3	250 - 300	530									11,4		
M33-L4	300 - 360	590									12,5		
M33-L5***	355 - 405	635									13,2		
M33-LX	380 - 430	660									13,5		
M33-LX2***	440 - 490	720									15,2		
M33-LY	520 - 570	800									16,5		
M56-L	200 - 245	523	115	14	26	10	22	40	160	100	30,2		
M56-L2	260 - 350	640									34,0		

*other materials available on request | **Spherical washer starting at M16 | *** special production