

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:

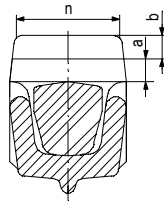
see page 119 and 120

Certification:

according AD 2000-Merkblatt A5, Anl. 2, W 7/1, W 7/2, W 10

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	e	f	g	h	i	k	n	
M10-K	13 - 24	83	25	4	4	4	6	13	12	15	27	5	6	20	0,2
M10-L	22 - 33	92													0,2
M12-L	28 - 56	133	34	4	5	4	8	18	20	16	38	6	8	30	0,5
M12-L2	55 - 83	160													0,6
M16-K	40 - 60	165	40	6	7	5	12	25	25	25	58	8	8	32	1,1
M16-L	55 - 85	190													1,2
M16-L2	80 - 110	215													1,3
M16-LS	100 - 130	235													1,4
M20-K	50 - 75	195	48	10	9	8	14	30	30	30	73	8	8	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	34	34	30	78	9	10	46	2,7
M24-L	90 - 130	265													3,0
M24-L2	120 - 160	295													3,2
M24-LS	160 - 200	335													3,4
M24-LT***	200 - 240	375													3,7
M24-LU***	245 - 285	420													4,3
M24-LX	295 - 335	470													4,8
M27-K	85 - 110	291	63	10	16	8	14	52	45	40	85	9	10	55	4,8
M27-L	115 - 145	327													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	566													7,7
M27-LT***	390 - 430	610													8,6
M27-LX	440 - 480	660													9,5
M30 on demand															
M33-K	100 - 150	380	75	14	20	10	24	65	60	48	112	10	12	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	84	65	40	160	17	12	100	30,2
M56-L2	260 - 350	640													34,0

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