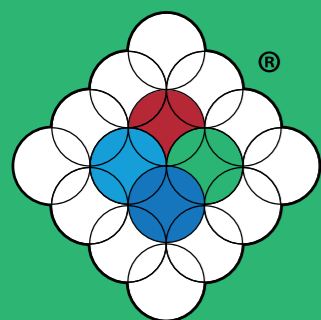
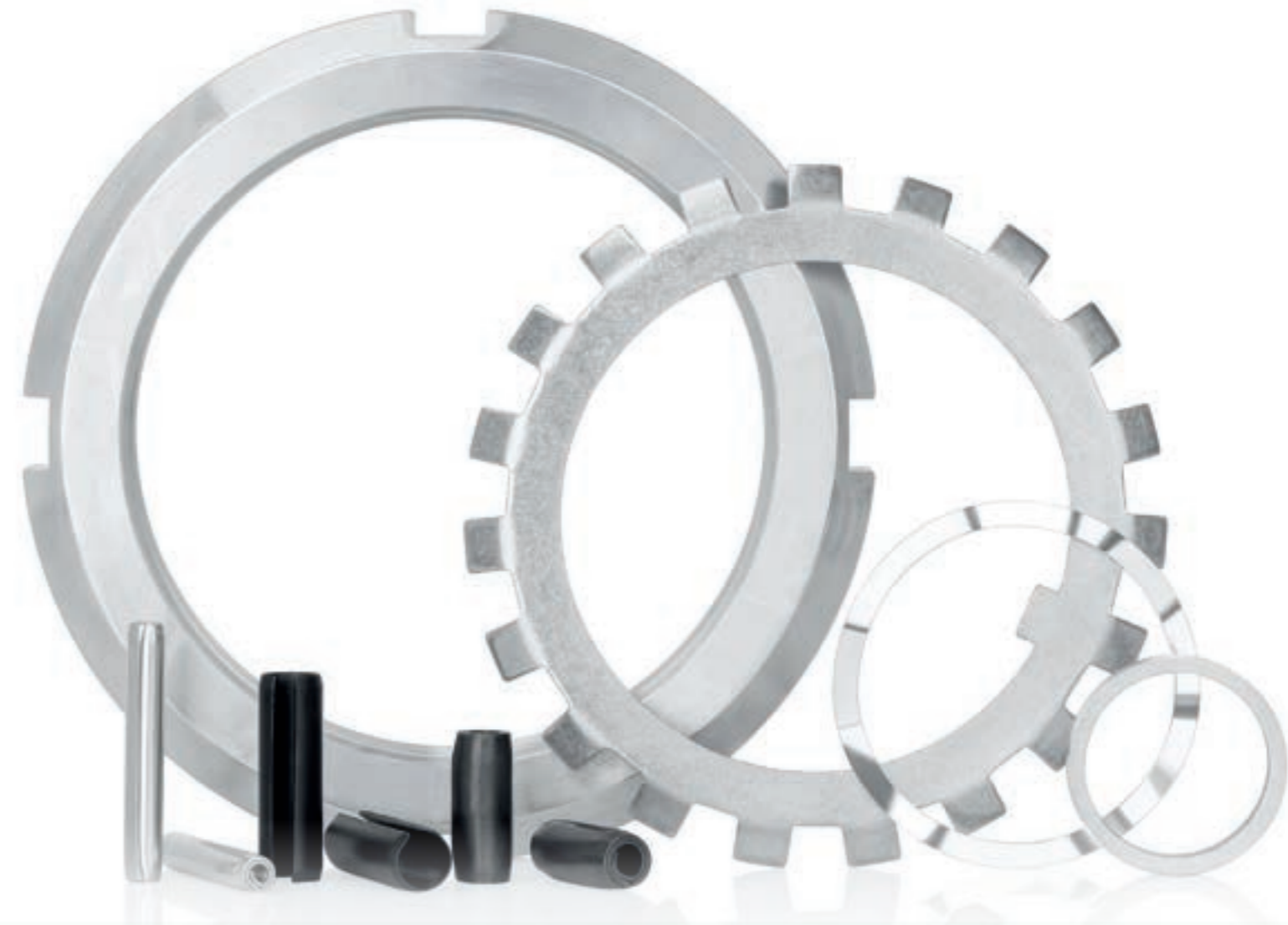




krumm&andré



Krumm & André GmbH & Co. KG
Blumentalstraße 2-4
42859 Remscheid
+49 2191 906-0
info@krummandandre.de
www.krummandandre.de



Produktkatalog
Product catalog



krumm&andré

**Die Verbindung zum Ganzen.
Sonderanfertigung von Dreh- und Stanzteilen**

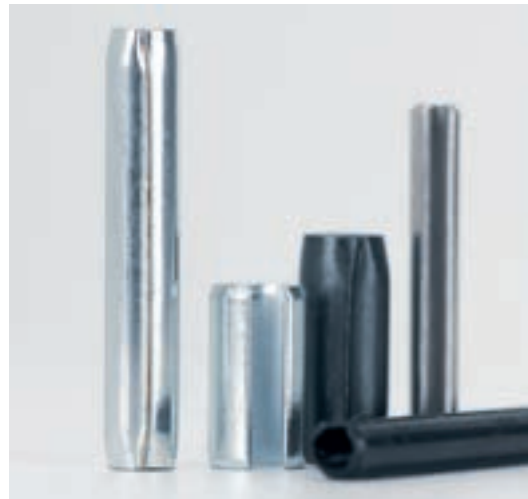
**The Connection to the Whole.
Custom Manufacturing of Turned and Stamped Parts**



Präzisionsteile aus Tradition.

Die Krumm & André GmbH & Co. KG ist ein seit 1904 auf dem Weltmarkt agierendes Unternehmen. Krumm & André hat sich vor über 30 Jahren der Paal-Gruppe angeschlossen und dadurch eine weitere positive Entwicklung genommen.

Im Laufe der Jahre hat sich die Produktpalette von einst sehr gewandelt. Heute liefert K & A z. B. Passscheiben nach Zeichnung, Spannstifte, Nutmuttern und vieles mehr für die Industrie, insbesondere für den Schrauben- und Wälzlagerhandel.



Precision Parts from Tradition

Krumm & André GmbH & Co. KG has been operating in the global market since 1904. Over 30 years ago, the company joined the Paal Group, which has led to further positive development.

Over the years, the product range has evolved significantly. Today, Krumm & André supplies, for example, custom-made shims, tension pins, locknuts, and much more for the industrial sector, with a particular focus on the screw and bearing trade.









Mit über 3.000 m² Lagerfläche bieten wir Ihnen eine leistungsstarke Infrastruktur für Ihre Lagerung und Logistik. Unser gut strukturiertes Lager umfasst 5.000 Palettenstellplätze sowie 15.000 Kleinteile-Fächer, um Ihre Waren sicher und zuverlässig zu lagern.

Dank unseres K & A Services profitieren Sie von einer durchgängigen Qualität, die von der Produktion bis zur Auslieferung an den Endkunden gewährleistet ist. Wir bieten Ihnen das Prinzip „Produktion und Lagerung aus einer Hand“ – eine effiziente Lösung, die Ihnen nicht nur Lagerhaltungskosten spart, sondern auch den Verwaltungsaufwand erheblich reduziert. Ihre Ware ist stets verfügbar, wenn Sie sie benötigen. Und sollte der Bedarf unerwartet steigen, sorgen unsere speziellen Sicherheitslager für eine reibungslose Versorgung.

With over 3,000 m² of storage space, we offer you a powerful infrastructure for your warehousing and logistics needs. Our well-organized facility includes 5,000 pallet spaces and 15,000 small parts compartments, ensuring your goods are stored securely and reliably.

Thanks to our K & A service, you benefit from consistent quality that is maintained from production through to delivery to the end customer. We offer the „Production and Storage from One Source“ principle—an efficient solution that not only saves you warehousing costs but also significantly reduces administrative overhead. Your goods are always available when you need them. And, should unexpected demand arise, our dedicated safety stock ensures seamless supply.

	Spannstifte schwere Ausführung ISO 8752 / DIN 1481 Dowel Pins heavy duty ISO 8752 / DIN 1481	9 - 16
	Spannstifte leichte Ausführung ISO 13337 / DIN 7346 Dowel Pins light duty ISO 13337 / DIN 7346	17 - 22
	Spiralspannstifte schwere Ausführung ISO 8748 / DIN 7344 Spiral Roll Pins heavy duty coiled ISO 8748 / DIN 7344	23 - 24
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	Nutmuttern DIN 981 Nuts for hook spanners DIN 981	28
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	Schnellbefestiger Quick-lock-washers <ul style="list-style-type: none"> • RPCOT und RPCT Montagewerkzeug / RPCOT and RPCT Quick-lock-washer assembly tool • RPT / RPT Round push on fixes • RPCO Schnellbefestiger / RPCO Quick-lock-washer with Clamp • RPCOR Schnellbefestiger / RPCOR Quick-lock-washer with Clamp • RPC Schnellbefestiger / RPC Quick-lock-washer dome capped • RPCOB / RPCOB Quick-lock-washer dome capped 	71 - 80

Spannstifte & Spiralspannstifte

Dowel Pins & Spiral Roll Pins

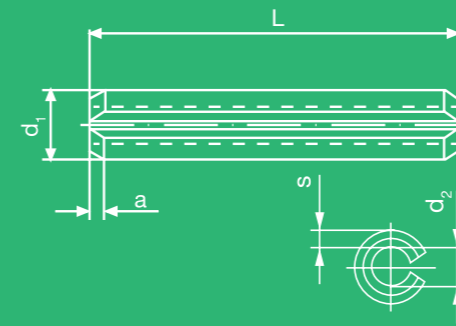
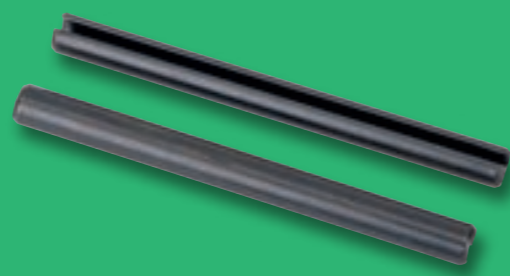
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- Spiralspannstifte schwere Ausführung ISO 8748 / DIN 7344
- Spiralspannstifte leichte Ausführung ISO 8750 / DIN 7343

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- Dowel Pins heavy duty ISO 8752 / DIN 1481
 - Dowel Pins light duty ISO 13337 / DIN 7346
 - Spiral Roll Pins heavy duty coiled ISO 8748 / DIN 7344
 - Spiral Roll Pins light duty coiled ISO 8750 / DIN 7343



Spannstifte schwere Ausführung ISO 8752 / DIN 1481

Dowel Pins heavy duty
ISO 8752 / DIN 1481



Spannstifte schwere Ausführung ISO 8752 / DIN 1481

Dowel Pins heavy duty
ISO 8752 / DIN 1481

Artikel-Nr.	Ø Schaft (mm)	Länge	
Article No.	Ø Shaft (mm)	Length	
3081	1,0	4	1000
3082	1,0	5	1000
3083	1,0	6	1000
3084	1,0	8	1000
3075	1,0	10	1000
3076	1,0	12	1000
3077	1,0	14	1000
3078	1,0	16	1000
3079	1,0	18	1000
3080	1,0	20	1000
2912	1,5	4	1000
2913	1,5	5	1000
2914	1,5	6	1000
2915	1,5	8	1000
2903	1,5	10	1000
2905	1,5	12	1000
2906	1,5	14	1000
2907	1,5	16	1000
2908	1,5	18	1000
2909	1,5	20	1000
2910	1,5	22	1000
2911	1,5	24	1000
3154	2,0	4	1000
3156	2,0	5	1000
3157	2,0	6	1000
3158	2,0	7	1000
3159	2,0	8	1000
3141	2,0	10	1000
3142	2,0	11	1000
3143	2,0	12	1000
3144	2,0	14	1000
3145	2,0	16	1000
3146	2,0	18	1000
3147	2,0	20	1000
3148	2,0	22	1000

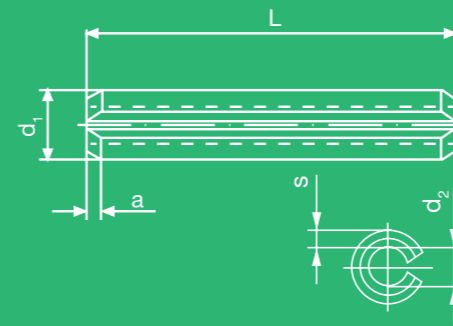
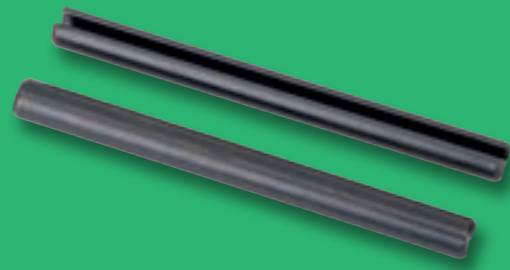
Artikel-Nr.	Ø Schaft (mm)	Länge	
Article No.	Ø Shaft (mm)	Length	
3149	2,0	24	1000
3150	2,0	25	1000
3151	2,0	26	1000
3152	2,0	28	1000
3153	2,0	30	1000
3155	2,0	40	1000
3101	2,5	4	1000
3103	2,5	5	1000
3104	2,5	6	1000
3105	2,5	8	1000
3085	2,5	10	1000
3086	2,5	12	1000
3087	2,5	14	1000
3088	2,5	16	1000
3089	2,5	18	1000
3090	2,5	20	1000
3091	2,5	22	1000
3092	2,5	24	1000
3093	2,5	25	1000
3094	2,5	26	1000
3095	2,5	28	1000
3096	2,5	30	1000
3097	2,5	32	1000
3098	2,5	34	1000
3099	2,5	35	1000
3100	2,5	36	1000
3102	2,5	40	1000
3211	3,0	4	1000
3215	3,0	5	1000
3217	3,0	6	1000
3218	3,0	8	1000
3192	3,0	10	1000
3193	3,0	12	1000
3194	3,0	14	1000
3195	3,0	15	1000

Artikel-Nr.	Ø Schaft (mm)	Länge	
Article No.	Ø Shaft (mm)	Length	
3196	3,0	16	1000
3197	3,0	18	1000
3198	3,0	20	1000
3200	3,0	22	1000
3201	3,0	24	1000
3202	3,0	25	1000
3203	3,0	26	1000
3204	3,0	28	1000
3205	3,0	30	1000
3206	3,0	32	1000
3207	3,0	34	1000
3208	3,0	35	1000
3209	3,0	36	1000
3212	3,0	40	1000
3214	3,0	45	1000
3216	3,0	50	1000
3179	3,5	4	1000
3181	3,5	5	1000
3182	3,5	6	1000
3183	3,5	8	1000
3160	3,5	10	1000
3161	3,5	12	1000
3162	3,5	14	1000
3163	3,5	15	1000
3164	3,5	16	1000
3165	3,5	18	1000
3166	3,5	20	1000
3167	3,5	22	1000
3168	3,5	24	1000
3169	3,5	25	1000
3170	3,5	26	1000
3171	3,5	28	1000
3172	3,5	30	1000
3173	3,5	32	1000
3174	3,5	34	1000

Artikel-Nr.	Ø Schaft (mm)	Länge	
Article No.	Ø Shaft (mm)	Length	
3175	3,5	35	1000
3176	3,5	36	1000
3177	3,5	40	1000
3178	3,5	45	1000
3180	3,5	50	1000
3267	4,0	5	500
3270	4,0	6	500
3272	4,0	8	500
3243	4,0	10	500
3244	4,0	12	500
3246	4,0	14	500
3247	4,0	15	500
3248	4,0	16	500
3249	4,0	18	500
3250	4,0	20	500
3251	4,0	22	500
3252	4,0	24	500
3253	4,0	25	500
3254	4,0	26	500
3256	4,0	28	500
3257	4,0	30	500
3259	4,0	32	500
3260	4,0	34	500
3261	4,0	35	500
3262	4,0	36	500
3263	4,0	38	500
3264	4,0	40	500
3265	4,0	42	500
3266	4,0	45	500
3268	4,0	50	500
3269	4,0	55	500
3271	4,0	60	500
3234	4,5	6	500
3236	4,5	8	500
3219	4,5	10	500

Spannstifte schwere Ausführung ISO 8752 / DIN 1481

Dowel Pins heavy duty
ISO 8752 / DIN 1481



Spannstifte schwere Ausführung ISO 8752 / DIN 1481

Dowel Pins heavy duty
ISO 8752 / DIN 1481

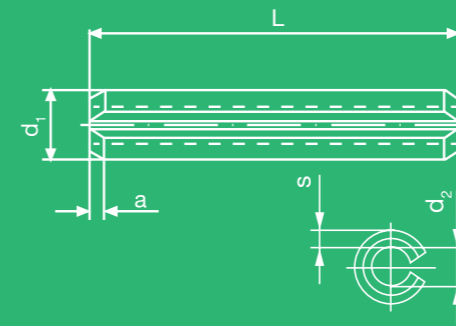
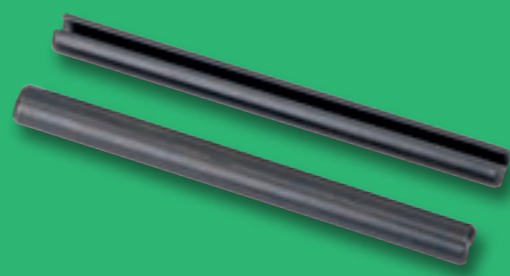
Artikel-Nr.	Ø Schaft (mm)	Länge	
Article No.	Ø Shaft (mm)	Length	
3220	4,5	12	500
3221	4,5	14	500
3222	4,5	16	500
3223	4,5	18	500
3224	4,5	20	500
3225	4,5	24	500
3226	4,5	26	500
3227	4,5	28	500
3228	4,5	30	500
3229	4,5	35	500
3230	4,5	40	500
3231	4,5	45	500
3232	4,5	50	500
3233	4,5	55	500
3235	4,5	60	500
3304	5,0	6	500
3309	5,0	8	500
3275	5,0	10	500
3277	5,0	12	500
3278	5,0	14	500
3279	5,0	15	500
3280	5,0	16	500
3281	5,0	18	500
3282	5,0	20	500
3284	5,0	22	500
3285	5,0	24	500
3286	5,0	25	500
3287	5,0	26	500
3289	5,0	28	500
3290	5,0	30	500
3291	5,0	32	500
3292	5,0	34	500
3293	5,0	35	500
3294	5,0	36	500
3296	5,0	38	500

Artikel-Nr.	Ø Schaft (mm)	Länge	
Article No.	Ø Shaft (mm)	Length	
3297	5,0	40	500
3299	5,0	45	500
3300	5,0	46	500
3301	5,0	50	500
3303	5,0	55	500
3305	5,0	60	500
3306	5,0	65	500
3307	5,0	70	500
3308	5,0	75	500
3310	5,0	80	500
3311	5,0	85	500
3312	5,0	95	500
3276	5,0	100	500
3313	6,0	10	500
3316	6,0	12	500
3318	6,0	14	500
3319	6,0	15	500
3320	6,0	16	500
3321	6,0	18	500
3322	6,0	20	500
3324	6,0	22	500
3325	6,0	24	500
3326	6,0	25	500
3327	6,0	26	500
3328	6,0	28	500
3329	6,0	30	500
3331	6,0	32	500
3332	6,0	34	500
3333	6,0	35	500
3334	6,0	36	500
3335	6,0	40	500
3337	6,0	45	500
3338	6,0	46	500
3339	6,0	50	500
3340	6,0	55	500

Artikel-Nr.	Ø Schaft (mm)	Länge	
Article No.	Ø Shaft (mm)	Length	
3342	6,0	60	500
3343	6,0	65	500
3344	6,0	70	500
3345	6,0	75	500
3346	6,0	80	500
3347	6,0	85	500
3348	6,0	90	500
3349	6,0	95	500
3315	6,0	100	500
3317	6,0	120	500
3351	7,0	10	500
3352	7,0	12	500
3353	7,0	14	500
3354	7,0	16	500
3355	7,0	18	500
3356	7,0	20	500
3357	7,0	26	500
3358	7,0	28	500
3359	7,0	30	500
3360	7,0	35	500
3361	7,0	40	500
3362	7,0	45	500
3363	7,0	50	500
3364	7,0	55	500
3365	7,0	60	500
3366	7,0	65	500
3367	7,0	70	500
3368	7,0	75	500
3369	7,0	80	500
3370	7,0	85	500
3371	7,0	90	500
3372	7,0	95	500
3350	7,0	100	500
3373	8,0	10	500
3375	8,0	12	500

Spannstifte schwere Ausführung ISO 8752 / DIN 1481

Dowel Pins heavy duty
ISO 8752 / DIN 1481



Spannstifte schwere Ausführung ISO 8752 / DIN 1481

Dowel Pins heavy duty
ISO 8752 / DIN 1481

Artikel-Nr.	Ø Schaft (mm)	Länge	
Article No.	Ø Shaft (mm)	Length	
2927	10,0	22	500
2928	10,0	24	500
2929	10,0	26	500
2930	10,0	28	500
2931	10,0	30	500
2933	10,0	32	500
2934	10,0	35	500
2935	10,0	36	250
2936	10,0	40	250
2938	10,0	45	250
4351	10,0	50	250
2940	10,0	55	250
2942	10,0	60	200
2943	10,0	65	200
2944	10,0	70	100
2946	10,0	75	100
2947	10,0	80	100
2948	10,0	90	100
2949	10,0	95	100
2916	10,0	100	100
2918	10,0	120	50
2921	10,0	140	50
2955	12,0	14	25
2956	12,0	16	25
2959	12,0	18	25
2960	12,0	20	25
2961	12,0	22	25
2962	12,0	24	25
2963	12,0	26	25
2964	12,0	28	25
2965	12,0	30	25
2966	12,0	32	25
2967	12,0	35	25
2968	12,0	36	25
2969	12,0	40	25

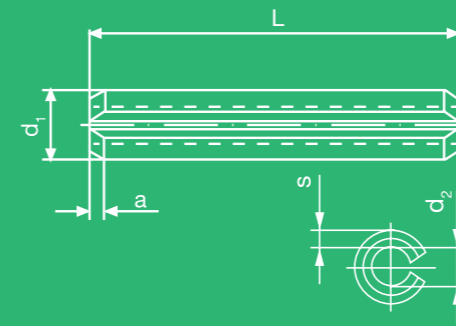
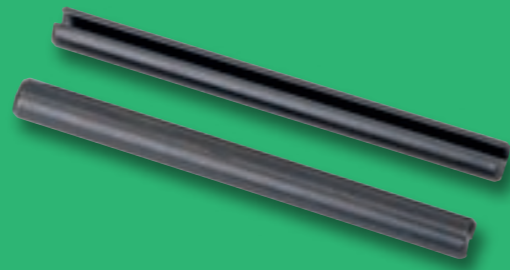
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Article No.	Ø Shaft (mm)	Length	
2970	12,0	45	25
2972	12,0	50	25
2973	12,0	55	25
2974	12,0	60	25
2975	12,0	65	25
2976	12,0	70	25
2977	12,0	75	25
2978	12,0	80	25
2979	12,0	85	25
2980	12,0	90	25
2981	12,0	95	25
2950	12,0	100	25
2951	12,0	110	25
2953	12,0	120	10
2954	12,0	140	10
2958	12,0	16	10
2984	13,0	14	25
2985	13,0	16	25
2986	13,0	18	25
4653	13,0	20	25
2987	13,0	22	25
2988	13,0	24	25
2989	13,0	26	25
2990	13,0	28	25
2991	13,0	32	25
2992	13,0	35	25
2994	13,0	40	25
2995	13,0	45	25
2996	13,0	50	25
2997	13,0	55	25
2998	13,0	60	25
2999	13,0	65	25
3000	13,0	70	25
3001	13,0	75	25
3002	13,0	80	25

Artikel-Nr.	Ø Schaft (mm)	Länge	
Article No.	Ø Shaft (mm)	Length	
3003	13,0	85	25
3004	13,0	90	25
3005	13,0	95	25
2982	13,0	100	10
2983	13,0	120	10
3009	14,0	16	25
3011	14,0	18	25
3012	14,0	20	25
3013	14,0	21	25
3014	14,0	22	25
3015	14,0	24	25
3016	14,0	26	25
3017	14,0	28	25
3018	14,0	30	25
3019	14,0	32	25
3020	14,0	36	25
3021	14,0	40	25
3022	14,0	45	25
3023	14,0	50	25
3024	14,0	55	25
3025	14,0	60	25
3026	14,0	65	25
3027	14,0	70	25
3028	14,0	75	25
3029	14,0	80	25
3030	14,0	85	25
3031	14,0	90	25
3006	14,0	100	10
3007	14,0	110	10
3008	14,0	120	10
3010	14,0	160	10
3033	15,0	65	25
3032	15,0	110	10
3040	16,0	20	25
3042	16,0	22	25

Artikel-Nr.	Ø Schaft (mm)	Länge	
Article No.	Ø Shaft (mm)	Length	
3043	16,0	24	25
3044	16,0	26	25
3045	16,0	28	25
3046	16,0	30	25
3047	16,0	32	25
3048	16,0	35	25
3049	16,0	36	25
3050	16,0	40	25
3051	16,0	45	25
3052	16,0	50	25
3053	16,0	55	25
3054	16,0	60	25
3055	16,0	65	25
3056	16,0	70	25
3058	16,0	75	25
3059	16,0	80	25
3060	16,0	85	25
3061	16,0	90	25
3062	16,0	95	10
3034	16,0	100	10
3035	16,0	110	10
3036	16,0	120	10
3037	16,0	140	10
3038	16,0	160	10
3039	16,0	180	10
3041	16,0	200	10
3066	18,0	24	25
3067	18,0	26	25
3068	18,0	30	25
3069	18,0	40	25
3070	18,0	50	25
3071	18,0	60	25
3072	18,0	70	25
4516	18,0	75	25
3073	18,0	80	25


Spannstifte schwere Ausführung ISO 8752 / DIN 1481



Dowel Pins heavy duty
ISO 8752 / DIN 1481



Spannstifte schwere Ausführung ISO 8752 / DIN 1481

Dowel Pins heavy duty
ISO 8752 / DIN 1481

Artikel-Nr.	Ø Schaft (mm)	Länge	
Article No.	Ø Shaft (mm)	Length	
3074	18,0	90	10
3063	18,0	100	10
3064	18,0	110	10
3065	18,0	120	10
3112	20,0	20	25
3113	20,0	30	25
3114	20,0	36	25
3115	20,0	40	25
3116	20,0	45	25
3117	20,0	50	25
3118	20,0	55	25
3119	20,0	60	25
3120	20,0	70	25
3121	20,0	75	25
3122	20,0	80	25
3123	20,0	85	25
3124	20,0	90	10
3106	20,0	100	10
3107	20,0	120	10
3108	20,0	140	10
3109	20,0	160	10
3110	20,0	180	10
3111	20,0	200	10
3127	21,0	14	25
3128	21,0	24	25
3129	21,0	32	25
4562	21,0	50	25
3130	21,0	60	25
3131	21,0	70	10
3132	21,0	85	10
3126	21,0	110	10
4621	25,0	32	10
3134	25,0	40	10
4688	25,0	50	10
3133	25,0	200	1

Artikel-Nr.	Ø Schaft (mm)	Länge	
Article No.	Ø Shaft (mm)	Length	
3135	28,0	30	10
3136	28,0	45	10
3137	28,0	55	10
3138	28,0	60	10
3139	28,0	65	10
3140	28,0	80	10
4471	28,0	90	10
4472	28,0	95	10
4473	28,0	100	10
3184	30,0	30	10
4465	30,0	40	10
3185	30,0	50	10
3186	30,0	60	10
3187	30,0	65	10
4517	30,0	75	10
4466	32,0	45	10
3188	32,0	60	10
3190	35,0	40	10
3191	35,0	80	1
3189	35,0	100	1
4561	40,0	40	5
3239	40,0	55	5
3240	40,0	60	5
3237	40,0	140	1
3238	40,0	175	1
3241	45,0	50	1
3242	45,0	75	1
4364	50,0	80	1
3273	50,0	200	1
3274	58,0	120	1



Für geschlitzte Spannstiften (-hülen) mit einem Nennedurchmesser $d1 \geq 10$ mm ist, nach Wahl des Lieferanten, auch nur eine Fase zulässig. Bis zu einer Vickershärte von 440 HV bis 560 HV gehärtet und ausgelassen.

For slotted dowel pins (sleeves) with a nominal diameter $d1 \geq 10$ mm, depending on the choice of the supplier, only one chamfer is permissible. Hardened to a Vickers hardness of 440 HV to 560 HV hardened and chamfered.

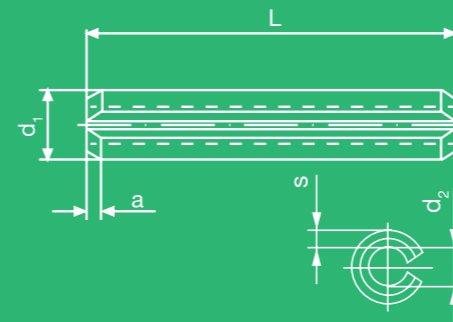
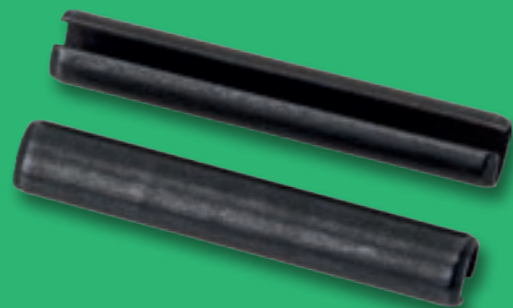


Das Produkt ist auch in rostfreier und verzinkter Ausführung möglich.

The product is also available in stainless steel and galvanized versions.

Spannstifte leichte Ausführung ISO 13337 / DIN 7346

Dowel Pins ligh duty
ISO 13337 / DIN 7346



Spannstifte leichte Ausführung ISO 13337 / DIN 7346

Dowel Pins ligh duty
ISO 13337 / DIN 7346

Artikel-Nr.	Ø Schaft (mm)	Länge	
Article No.	Ø Shaft (mm)	Length	
3779	2,0	4	1000
3780	2,0	5	1000
3781	2,0	6	1000
3782	2,0	8	1000
3767	2,0	10	1000
3768	2,0	12	1000
3769	2,0	14	1000
3770	2,0	15	5000
3771	2,0	16	1000
3772	2,0	18	1000
3773	2,0	20	1000
3774	2,0	22	1000
3775	2,0	24	1000
3776	2,0	26	1000
3777	2,0	28	1000
3778	2,0	30	1000
3738	2,5	4	1000
3739	2,5	5	1000
3740	2,5	6	1000
3741	2,5	8	1000
3726	2,5	10	1000
3727	2,5	12	1000
3728	2,5	14	1000
3729	2,5	16	1000
3730	2,5	18	1000
3731	2,5	20	1000
3732	2,5	22	1000
3733	2,5	24	1000
3735	2,5	26	1000
3736	2,5	28	1000
3737	2,5	30	1000
3820	3,0	4	500
3821	3,0	5	500
3822	3,0	6	500
3823	3,0	8	500

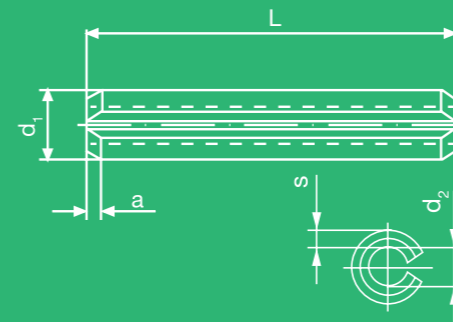
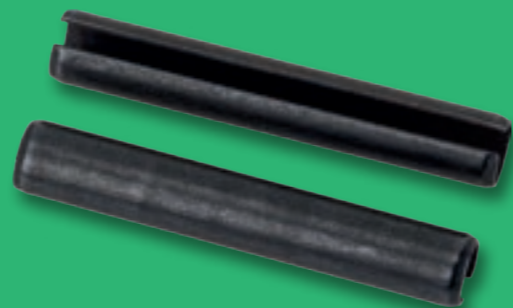
Artikel-Nr.	Ø Schaft (mm)	Länge	
Article No.	Ø Shaft (mm)	Length	
3805	3,0	10	500
3806	3,0	12	500
3807	3,0	14	500
3808	3,0	16	500
3809	3,0	18	500
3810	3,0	19	500
3811	3,0	20	500
3812	3,0	22	500
3813	3,0	24	500
3814	3,0	25	500
3815	3,0	26	500
3816	3,0	28	500
3817	3,0	30	500
3818	3,0	32	500
3819	3,0	36	500
3797	3,0	40	500
3798	3,5	4	500
3799	3,5	5	500
3800	3,5	6	500
3783	3,5	8	500
3784	3,5	10	500
3785	3,5	12	500
3786	3,5	14	500
3787	3,5	16	500
3788	3,5	18	500
3789	3,5	20	500
3790	3,5	22	500
3791	3,5	24	500
3792	3,5	26	500
3793	3,5	28	500
3794	3,5	30	500
3795	3,5	32	500
3796	3,5	36	500
3862	3,5	40	500
3864	4,0	4	500

Artikel-Nr.	Ø Schaft (mm)	Länge	
Article No.	Ø Shaft (mm)	Length	
3865	4,0	6	500
3866	4,0	8	500
3844	4,0	10	500
3845	4,0	12	500
3846	4,0	14	500
3847	4,0	16	500
3848	4,0	18	500
3849	4,0	20	500
3850	4,0	22	500
3851	4,0	24	500
3852	4,0	25	500
3853	4,0	26	500
3854	4,0	28	500
3856	4,0	30	500
3858	4,0	32	500
3859	4,0	36	500
3860	4,0	40	500
3861	4,0	45	500
3863	4,0	50	500
3839	4,5	4	500
3841	4,5	5	500
3842	4,5	6	500
3843	4,5	8	500
3824	4,5	10	500
3825	4,5	12	500
3826	4,5	14	500
3827	4,5	16	500
3828	4,5	18	500
3829	4,5	20	500
3830	4,5	22	500
3831	4,5	24	500
3832	4,5	26	500
3833	4,5	28	500
3834	4,5	30	500
3835	4,5	32	500

Artikel-Nr.	Ø Schaft (mm)	Länge	
Article No.	Ø Shaft (mm)	Length	
3836	4,5	36	500
3837	4,5	40	500
3838	4,5	45	500
3840	4,5	50	500
3886	5,0	5	100
3889	5,0	6	100
3893	5,0	8	500
3867	5,0	10	500
3868	5,0	12	500
3869	5,0	14	500
3870	5,0	16	500
3871	5,0	18	500
3872	5,0	20	500
3873	5,0	22	100
3874	5,0	24	100
3875	5,0	25	100
3876	5,0	26	100
3877	5,0	28	100
3878	5,0	30	100
3879	5,0	32	100
3880	5,0	35	100
3881	5,0	36	100
3882	5,0	40	100
3883	5,0	45	100
3884	5,0	50	100
3885	5,0	55	100
3887	5,0	60	100
3888	5,0	65	100
3890	5,0	70	100
3891	5,0	75	100
3892	5,0	80	100
3894	5,0	90	100
3908	6,0	3,5	500
3896	6,0	10	100
3897	6,0	12	100

Spannstifte leichte Ausführung ISO 13337 / DIN 7346

Dowel Pins ligh duty
ISO 13337 / DIN 7346



Spannstifte leichte Ausführung ISO 13337 / DIN 7346

Dowel Pins ligh duty
ISO 13337 / DIN 7346

Artikel-Nr.	Ø Schaft (mm)	Länge	
Article No.	Ø Shaft (mm)	Length	
3898	6,0	14	100
3899	6,0	16	100
3900	6,0	18	100
3901	6,0	20	100
3902	6,0	22	100
3904	6,0	24	100
3905	6,0	25	100
3906	6,0	26	100
3907	6,0	28	100
3909	6,0	30	100
3910	6,0	32	100
3911	6,0	36	100
3912	6,0	40	100
3913	6,0	45	100
3914	6,0	50	100
3915	6,0	55	100
3916	6,0	60	100
3917	6,0	65	100
3918	6,0	70	100
3919	6,0	75	100
3920	6,0	80	100
3921	6,0	85	100
3922	6,0	90	100
3923	6,0	95	100
3895	6,0	100	100
3924	7,0	16	100
3925	7,0	19	100
4411	7,0	32	500
3927	8,0	10	100
3929	8,0	12	100
3930	8,0	14	100
3931	8,0	16	100
3932	8,0	18	100
3933	8,0	20	100
3934	8,0	22	100

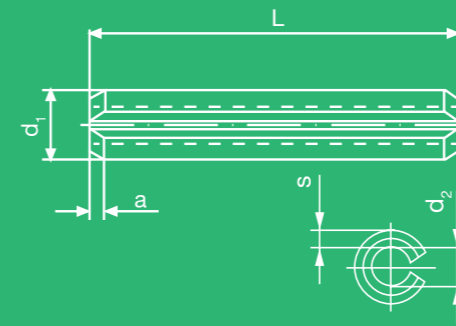
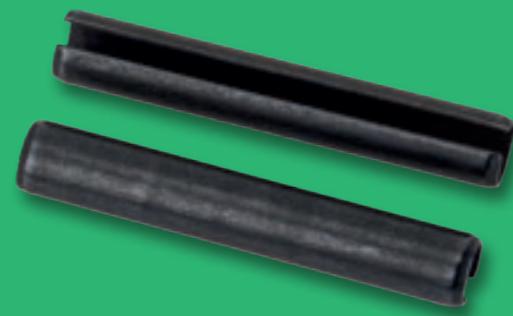
Artikel-Nr.	Ø Schaft (mm)	Länge	
Article No.	Ø Shaft (mm)	Length	
3935	8,0	24	100
3936	8,0	25	100
3937	8,0	26	100
3938	8,0	28	100
3939	8,0	30	100
3940	8,0	32	100
3941	8,0	35	100
3942	8,0	36	100
3943	8,0	40	100
3944	8,0	45	100
3945	8,0	50	100
3946	8,0	55	100
3947	8,0	60	100
3948	8,0	65	100
3949	8,0	70	100
3950	8,0	75	100
3951	8,0	80	100
3952	8,0	85	100
3953	8,0	90	100
3954	8,0	95	100
3926	8,0	100	100
3928	8,0	120	100
3602	10,0	10	100
3604	10,0	12	100
3606	10,0	14	100
3608	10,0	16	100
3609	10,0	18	100
3610	10,0	20	100
3611	10,0	22	100
3612	10,0	24	100
3613	10,0	25	100
3614	10,0	26	100
3615	10,0	28	100
3616	10,0	30	100
3617	10,0	32	100

Artikel-Nr.	Ø Schaft (mm)	Länge	
Article No.	Ø Shaft (mm)	Length	
3618	10,0	35	100
3619	10,0	36	100
3620	10,0	40	100
3621	10,0	45	50
3622	10,0	50	50
3623	10,0	55	50
3624	10,0	60	50
3625	10,0	65	50
3626	10,0	70	50
3627	10,0	75	50
3628	10,0	80	50
3629	10,0	85	50
3630	10,0	90	50
3631	10,0	95	50
3601	10,0	100	50
3603	10,0	120	50
3605	10,0	140	50
3607	10,0	160	50
4669	11,0	28	50
3633	12,0	10	50
3635	12,0	12	50
3637	12,0	14	50
3639	12,0	16	50
3641	12,0	18	50
3642	12,0	20	50
3643	12,0	22	50
3644	12,0	24	50
3645	12,0	26	50
3646	12,0	28	50
3647	12,0	30	50
3648	12,0	32	50
3649	12,0	36	50
3650	12,0	40	50
3651	12,0	45	50
3652	12,0	50	50

Artikel-Nr.	Ø Schaft (mm)	Länge	
Article No.	Ø Shaft (mm)	Length	
3653	12,0	55	50
3654	12,0	60	50
3655	12,0	65	50
3656	12,0	70	50
3657	12,0	75	50
3658	12,0	80	50
3659	12,0	85	50
3660	12,0	90	50
3661	12,0	95	50
3632	12,0	100	50
3634	12,0	120	50
3636	12,0	140	50
3638	12,0	160	50
3640	12,0	180	50
3663	13,0	10	50
3665	13,0	12	50
3667	13,0	14	50
3669	13,0	16	50
3671	13,0	18	50
3672	13,0	20	50
3673	13,0	22	50
3674	13,0	24	50
3675	13,0	26	50
3676	13,0	28	50
3677	13,0	30	50
3678	13,0	32	50
3679	13,0	36	50
3680	13,0	40	50
3681	13,0	45	50
3682	13,0	50	50
3683	13,0	55	50
3684	13,0	60	50
3685	13,0	65	50
3686	13,0	70	50
3687	13,0	75	50



Spannstifte leichte Ausführung ISO 13337 / DIN 7346



Dowel Pins ligh duty
ISO 13337 / DIN 7346





Spannstifte leichte Ausführung ISO 13337 / DIN 7346

Dowel Pins ligh duty
ISO 13337 / DIN 7346

Artikel-Nr.	Ø Schaft (mm)	Länge	
Article No.	Ø Shaft (mm)	Length	
3688	13,0	80	50
3689	13,0	90	50
3662	13,0	100	50
3664	13,0	120	50
3666	13,0	140	50
3668	13,0	160	50
3670	13,0	180	50
4619	14,0	14	50
3690	14,0	60	50
3692	16,0	10	50
3694	16,0	12	50
3698	16,0	16	50
3700	16,0	18	50
3702	16,0	20	50
3703	16,0	22	50
3704	16,0	24	50
3705	16,0	26	50
3706	16,0	28	50
3707	16,0	30	50
3708	16,0	32	50
3709	16,0	36	50
3710	16,0	40	50
3711	16,0	45	50
3712	16,0	50	50
3713	16,0	55	25
3714	16,0	60	25
3715	16,0	65	25
3716	16,0	70	25
3717	16,0	75	25
3718	16,0	80	25
3719	16,0	90	25
3691	16,0	100	50
3693	16,0	120	50
3695	16,0	140	50
3697	16,0	160	50

Artikel-Nr.	Ø Schaft (mm)	Länge	
Article No.	Ø Shaft (mm)	Length	
3699	16,0	180	50
3701	16,0	200	50
3720	18,0	20	25
3721	18,0	24	25
3722	18,0	36	25
3723	18,0	60	25
3724	18,0	69	25
3725	18,0	70	25
4424	20,0	45	25
3743	20,0	50	25
3742	20,0	140	25
3744	21,0	18	25
3745	21,0	26	25
3746	21,0	30	25
3747	21,0	36	25
3748	21,0	45	25
3749	21,0	50	25
4582	21,0	55	25
3750	21,0	60	50
3751	21,0	80	25
3752	21,0	85	25
3753	21,0	90	25
3754	23,0	24	25
3756	25,0	30	25
3757	25,0	36	25
3759	25,0	45	25
3760	25,0	60	25
3761	25,0	65	25
3762	25,0	70	25
3763	25,0	95	25
4584	25,0	120	25
3755	25,0	160	25
3764	28,0	50	25
3765	28,0	70	25
3766	28,0	75	25

Artikel-Nr.	Ø Schaft (mm)	Länge	
Article No.	Ø Shaft (mm)	Length	
3801	30,0	30	25
3802	30,0	45	25
4583	30,0	90	25
3803	36,0	75	25

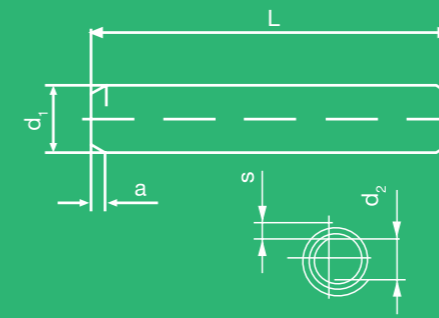


Das Produkt ist auch in rostfreier und verzinkter Ausführung möglich.

The product is also available in stainless steel and galvanized versions.

Spiralspannstifte schwere Ausführung ISO 8748 / DIN 7344

Spiral Roll Pins heavy duty coiled
ISO 8748 / DIN 7344



Spiralspannstifte schwere Ausführung ISO 8748 / DIN 7344

Spiral Roll Pins heavy duty coiled
ISO 8748 / DIN 7344

Artikel-Nr.	Ø Schaft(mm)	Länge	
Article No.	Ø Shaft (mm)	Length	
2838	2,0	6	1000
2830	2,0	10	1000
2831	2,0	12	1000
4570	2,0	14	1000
2834	2,5	4	1000
2836	2,5	5	1000
2837	2,5	6	1000
2832	2,5	10	1000
4594	2,5	14	1000
2833	2,5	16	1000
4555	2,5	22	1000
2854	3,0	6	1000
2855	3,0	8	1000
2841	3,0	10	1000
2843	3,0	12	1000
2844	3,0	14	1000
2846	3,0	15	1000
2847	3,0	16	1000
2849	3,0	18	1000
2850	3,0	20	1000
4391	3,0	22	1000
2851	3,0	24	1000
2852	3,0	26	1000
2853	3,0	30	1000
2868	4,0	8	500
2856	4,0	12	500
2857	4,0	16	500
2858	4,0	18	500
2859	4,0	20	500
2860	4,0	22	500
2861	4,0	24	500
2862	4,0	26	500
2863	4,0	30	500
2865	4,0	40	500
2866	4,0	50	500

Artikel-Nr.	Ø Schaft (mm)	Länge	
Article No.	Ø Shaft (mm)	Length	
2806	6,0	28	500
2807	6,0	32	500
2808	6,0	40	500
4717	6,0	50	500
2809	6,0	70	500
2810	8,0	30	500
2811	8,0	32	500
2812	8,0	25	500
2813	8,0	50	250
2814	8,0	70	250
4554	10,0	70	250
2815	10,0	100	100
2816	10,0	120	50
2817	12,0	60	100
2818	13,0	140	25
2819	20,0	60	25

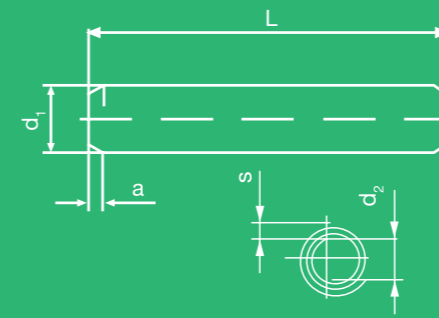


Das Produkt ist auch in rostfreier und verzinkter Ausführung möglich.

The product is also available in stainless steel and galvanized versions.

Spiralspannstifte leichte Ausführung ISO 8750 / DIN 7343

Spiral Roll Pins light duty coiled
ISO 8750 / DIN 7343



Spiralspannstifte leichte Ausführung ISO 8750 / DIN 7343

Spiral Roll Pins light duty coiled
ISO 8750 / DIN 7343

Artikel-Nr.	Ø Schaft (mm)	Länge	
Article No.	Ø Shaft (mm)	Length	
4484	2,0	14	1000
2778	2,0	18	1000
2779	2,5	6	1000
4699	2,5	12	1000
2780	2,5	16	1000
2781	2,5	20	1000
2782	2,5	22	1000
4497	3,0	6	1000
4467	3,0	8	1000
2783	3,0	12	1000
2784	3,0	14	1000
2785	3,0	16	1000
2786	3,0	18	1000
4498	3,0	20	1000
4478	3,0	22	1000
2788	3,0	26	1000
2789	3,0	30	1000
2790	3,0	32	1000
2791	3,5	20	1000
2792	4,0	12	1000
2793	4,0	16	1000
2794	4,0	18	500
2795	4,0	20	500
2796	4,0	22	500
2797	4,0	26	500
2798	4,0	32	500
2799	4,0	40	500
2800	5,0	22	500
2801	5,0	26	500
2802	5,0	30	500
4650	5,0	35	500
2803	5,0	36	500
4651	5,0	45	500
2804	5,0	50	500
2805	6,0	24	500

Artikel-Nr.	Ø Schaft (mm)	Länge	
Article No.	Ø Shaft (mm)	Length	
2869	5,0	12	500
2870	5,0	16	500
2871	5,0	18	500
2872	5,0	20	500
2873	5,0	22	500
2874	5,0	26	500
2875	5,0	30	500
4686	5,0	32	500
2876	5,0	40	500
2877	5,0	45	500
2878	5,0	50	500
2879	6,0	14	500
2880	6,0	20	500
2881	6,0	24	500
2882	6,0	28	500
2883	6,0	30	500
2884	6,0	36	500
2885	6,0	40	500
2886	6,0	50	500
2888	6,0	55	500
2889	6,0	60	500
2891	8,0	18	500
2892	8,0	20	500
2893	8,0	24	500
2894	8,0	30	500
2895	8,0	32	500
2896	8,0	35	500
2897	8,0	40	500
2898	8,0	45	500
2899	8,0	60	500
2900	8,0	75	500
2901	8,0	80	500
2902	8,0	85	500
2821	10,0	40	250
2822	10,0	45	250

Artikel-Nr.	Ø Schaft (mm)	Länge	
Article No.	Ø Shaft (mm)	Length	
2823	10,0	50	250
2824	10,0	90	250
2820	10,0	120	50
2825	11,0	22	100
2826	12,0	40	100
2827	12,0	55	100
4442	14,0	60	100
4441	14,0	70	100
2829	16,0	100	50



Das Produkt ist auch in rostfreier und verzinkter Ausführung möglich.

The product is also available in stainless steel and galvanized versions.



Nutmuttern für Wälzlager DIN 981

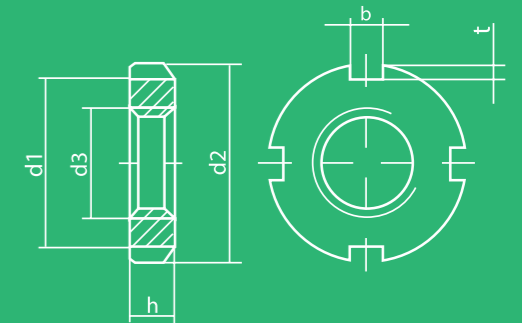
Lock Nuts for rolling bearings DIN 981

Nutmuttern für Wälzlager DIN 981

Lock Nuts for rolling bearings DIN 981

Werkstoff: Stahl 14H
 Oberfläche: Blank
 Zugfestigkeit min.: 350N / mm²
 Gewindeart: Metrisches Gewinde / Rechtsgewinde

Material: Steel 14H
 Surface: Bare
 Tensile strenght min.: 350N / mm²
 Threalnet: Metric Threal / right-hand thread



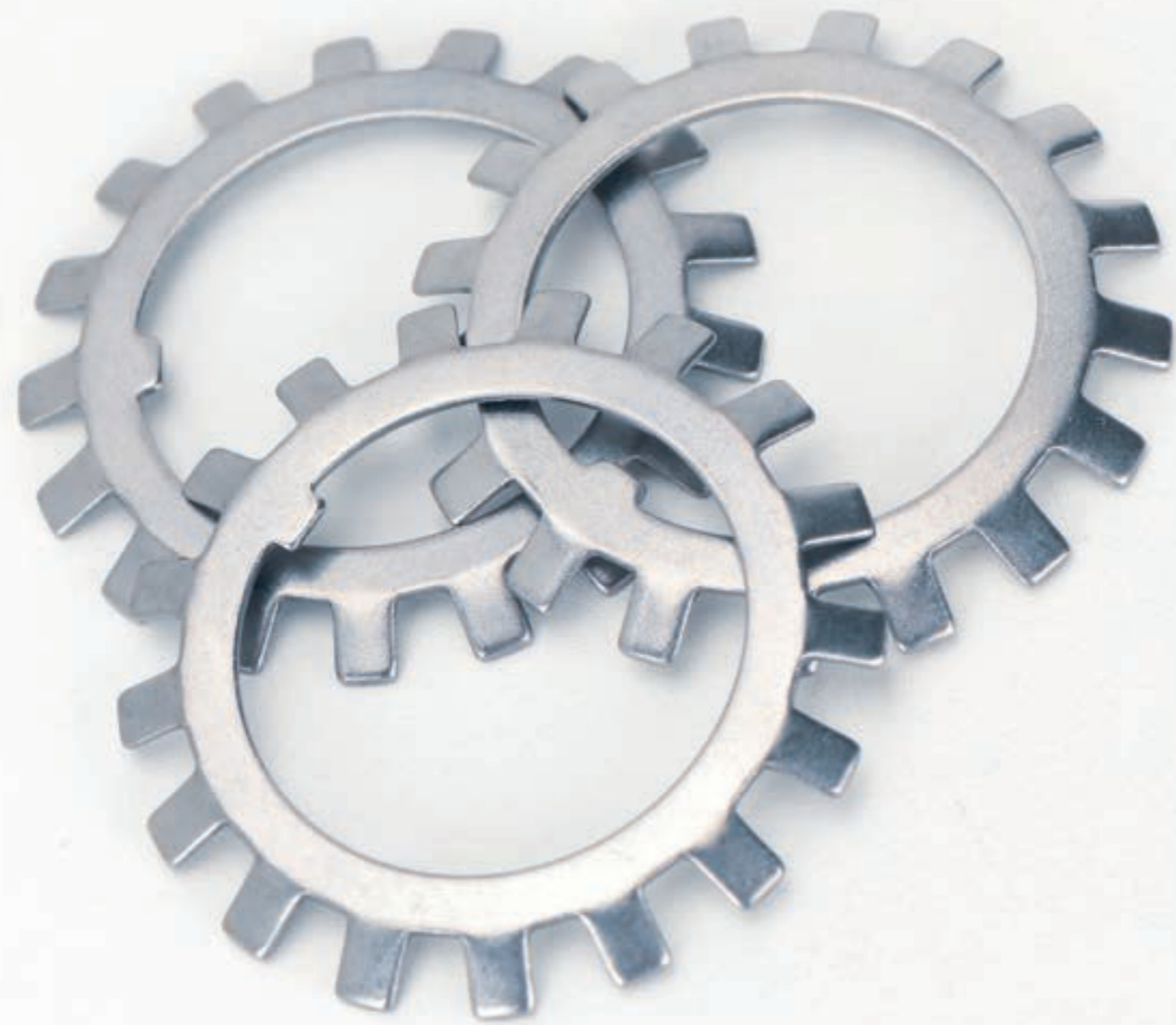
Artikel-Nr.	Abmessung	
Article No.	Dimensions	
2565	KM 0 M 10 x 0,75	100
2566	KM 1 M 12 x 1,00	100
2567	KM 2 M 15 x 1,00	100
2568	KM 3 M 17 x 1,00	100
2569	KM 4 M 20 x 1,00	10
2570	KM 5 M 25 x 1,50	10
2571	KM 6 M 30 x 1,50	10
2572	KM 7 M 35 x 1,50	10
2574	KM 8 M 40 x 1,50	10
2576	KM 9 M 45 x 1,50	10
2577	KM 10 M 50 x 1,50	10
2578	KM 11 M 55 x 2,00	10
2580	KM 12 M 60 x 2,00	10
2581	KM 13 M 65 x 2,00	10
2582	KM 14 M 70 x 2,00	10
2583	KM 15 M 75 x 2,00	10
2584	KM 16 M 80 x 2,00	5
2585	KM 17 M 85 x 2,00	5
2586	KM 18 M 90 x 2,00	5
2587	KM 19 M 95 x 2,00	5

Artikel-Nr.	Abmessung	
Article No.	Dimensions	
2588	KM 20 M 100 x 2,00	5
2590	KM 21 M 105 x 2,00	5
2591	KM 22 M 110 x 2,00	5
2592	KM 23 M 115 x 2,00	5
2593	KM 24 M 120 x 2,00	5
2594	KM 25 M 125 x 2,00	5
2595	KM 26 M 130 x 2,00	5
2596	KM 27 M 135 x 2,00	5
2597	KM 28 M 140 x 2,00	2
2598	KM 29 M 145 x 2,00	1
2599	KM 30 M 150 x 2,00	1
2600	KM 31 M 155 x 3,00	1
2601	KM 32 M 160 x 3,00	2
2602	KM 33 M 165 x 3,00	1
2603	KM 34 M 170 x 3,00	5
2604	KM 36 M 180 x 3,00	1
2605	KM 38 M 190 x 3,00	2
2606	KM 40 M 200 x 3,00	2
2607	KM 48 M 240 x 4,00	1



Das Produkt ist auch in rostfreier Ausführung möglich.

The product is also available in stainless steel versions.

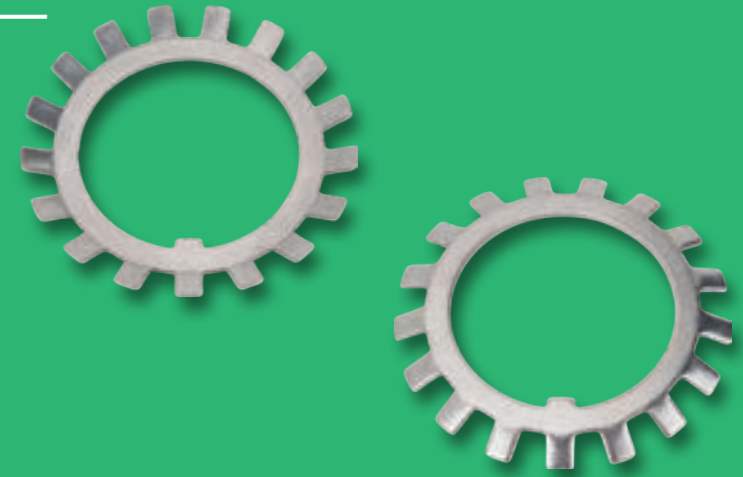
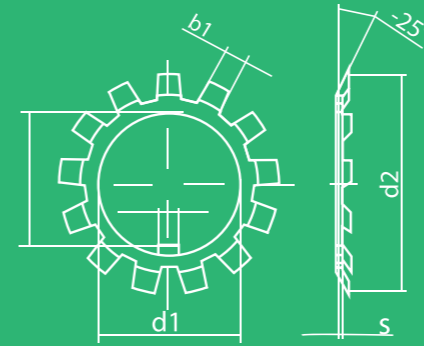




Sicherungsbleche DIN 5406

Locking Washers DIN 5406

Sicherungsbleche DIN 5406

Locking Washers DIN 5406



Artikel-Nr.	Abmessung		
Article No.	Dimensions		
2631	MB	0	100
2632	MB	1	100
2633	MB	2	100
2634	MB	3	100
2635	MB	4	50
2636	MB	5	50
2637	MB	6	50
2638	MB	7	50
2639	MB	8	50
2640	MB	9	50
2641	MB	10	50
2642	MB	11	50
2643	MB	12	50
2644	MB	13	50
2645	MB	14	50
2646	MB	15	50
2647	MB	16	25
2648	MB	17	25
2649	MB	18	25
2650	MB	19	25

Artikel-Nr.	Abmessung		
Article No.	Dimensions		
2651	MB	20	25
2652	MB	21	25
2653	MB	22	25
2654	MB	23	25
2655	MB	24	25
2656	MB	25	25
2657	MB	26	25
2658	MB	27	25
2659	MB	28	25
2660	MB	29	25
2661	MB	30	25
2662	MB	31	20
2663	MB	32	1
2664	MB	33	1
2665	MB	34	1
2666	MB	36	1
2667	MB	38	1
2668	MB	40	1
2670	MB	48	1



Das Produkt ist auch in rostfreier Ausführung möglich.

The product is also available in stainless steel versions.

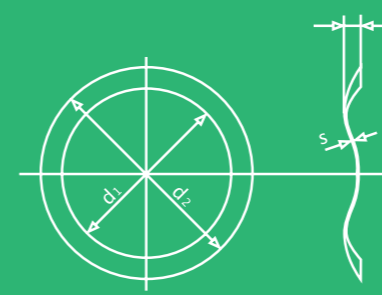
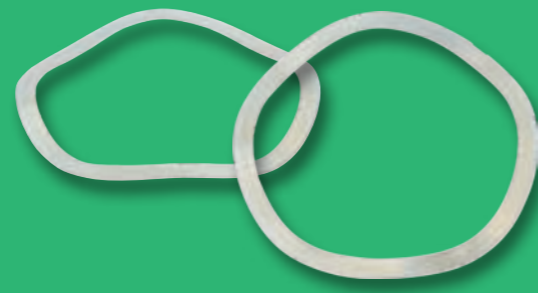
Kugellagerausgleichsscheibe

Ball bearing shims



Kugellagerausgleichsscheibe

Ball bearing shims



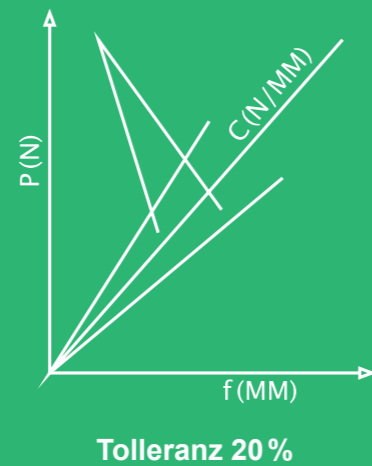
Kugellagerausgleichsscheibe

Ball bearing shims



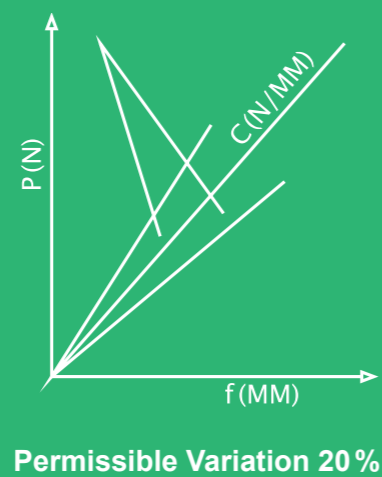
Generelle Information

Unter Voraussetzung einer 50%igen Belastung von P max. darf angenommen werden, dass die Federkennlinie, die das Diagramm zeigt, linear verläuft und die Kraft proportional dem Federweg f ansteigt. P max. ist die Maximalkraft, die aufgewendet werden muss, um Kugellagerausgleichsscheiben vollständig flachzudrücken. f max. ist der zurückgelegte Federweg, f max. = h - s. Empfohlenes P bei Dauerbetrieb = 50% P max.



General Information

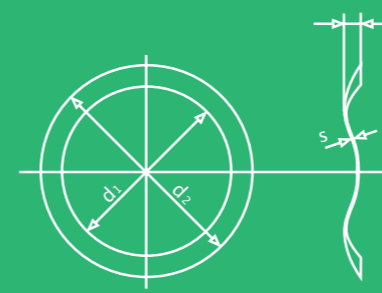
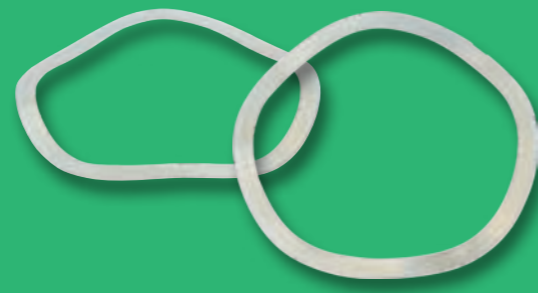
Assuming a 50% load of P max, it can be assumed that the spring characteristic shown in the diagram is linear and the force increases proportionally with the spring deflection f. P max is the maximum force required to completely flatten the ball bearing shims. f max is the maximum spring deflection, f max = h - s. Recommended P for continuous operation = 50% P max.



Artikel-Nr.	d1 (mm)	d2 (mm)	h (mm)	s Richtwert	P max. (N)	C+/-20% (N/mm)	
Article-No.	d1 (mm)	d2 (mm)	h (mm)	s Commanded Value	P max. (N)	C+/-20% (N/mm)	
2769	8,2	12,0	1,2	0,10	4	13	2500
2770	8,2	12,0	1,2	0,20	24	21	2500
2700	10,2	14,1	1,3	0,15	130	87	2500
2701	10,5	15,6	1,7	0,20	130	87	2500
2702	10,5	15,8	1,8	0,20	195	130	2500
2703	10,5	15,8	1,8	0,30	50	36	2500
2705	11,0	15,8	1,7	0,20	50	36	2500
2711	13,2	18,5	1,6	0,20	50	36	2500
2712	13,2	18,8	1,6	0,20	145	112	2500
2713	14,0	21,8	1,6	0,30	145	115	1000
2714	15,0	21,5	1,6	0,30	55	39	1000
2715	15,8	21,8	1,6	0,20	65	52	1000
2716	17,3	23,8	1,5	0,25	105	88	1000
2718	17,3	23,8	1,5	0,30			1000
2719	19,3	25,8	1,5	0,30	75	50	1000
2720	19,2	25,8	1,5	0,30	75	50	1000
2721	19,3	25,2	2,0	0,30			1000
2722	21,0	27,0	1,6	0,30	40	33	1000
2723	21,0	27,0	1,6	0,40	85	71	1000
2724	22,5	29,7	1,7	0,30	55	39	1000
2725	24,5	31,7	2,3	0,35	80	41	1000
2726	24,5	34,5	2,4	0,30			1000
2727	24,5	34,5	2,4	0,50	625	329	1000
2728	26,5	31,7	2,1	0,40	80	47	1000
2729	26,5	31,7	2,4	2,40	80	47	1000
2730	26,5	31,7	2,7	0,40			1000
2731	28,0	34,5	2,9	0,50	150	63	1000
2732	28,0	34,5	3,0	0,30			1000
2733	28,0	34,5	3,0	0,50	150	63	1000
2734	28,0	34,5	3,1	0,40	100	37	1000



Kugellagerausgleichsscheibe



Ball bearing shims



Kugellagerausgleichsscheibe

Ball bearing shims

Artikel-Nr.	d1 (mm)	d2 (mm)	h (mm)	s Richtwert	P max. (N)	C+/-20% (N/mm)	
Article-No.	d1 (mm)	d2 (mm)	h (mm)	s Commanded Value	P max. (N)	C+/-20% (N/mm)	
2735	30,0	40,0	3,0	0,50	160	64	500
2736	30,0	41,0	2,9	0,50	155	65	500
2737	33,0	39,1	2,8	0,30	130	69	500
2738	33,0	39,1	2,9	0,30	95	38	500
2739	33,0	39,1	2,9	0,50	320	130	500
2740	34,1	41,0	3,1	0,35	160	58	500
2741	37,0	45,0	3,0	0,50	795	318	500
2742	40,0	46,5	3,0	0,40	135	52	500
2743	40,0	46,5	3,0	0,50	230	92	500
2744	42,0	51,0	3,4	0,50	635	219	500
2745	44,0	51,0	3,6	0,40	180	56	500
2746	45,0	54,0	3,6	0,50	55	47	500
2747	45,0	54,0	3,7	0,40			500
2748	51,0	57,0	3,6	0,50	520	163	100
2749	51,0	61,0	3,5	0,50	120	38	100
2750	51,0	61,0	3,5	0,60	520	163	100
2751	51,0	61,0	3,6	0,40	205	68	100
2752	51,0	61,0	3,7	0,50	330	110	100
2753	58,0	67,0	3,4	0,40	?	?	100
2754	58,0	67,0	3,5	0,50	300	103	100
2755	61,0	71,0	3,4	0,50	195	63	100
2756	61,0	71,0	3,5	0,40	300	103	100
2757	61,0	71,0	3,5	0,50			100
2758	61,0	71,0	3,5	0,60			100
2759	61,0	71,0	4,0	0,50			100
2760	71,0	76,7	3,6	0,60	620	210	100
2761	71,0	79,0	3,6	0,60	740	247	100
2762	71,0	79,0	3,8	0,50			100
2763	74,0	84,0	3,5	0,50	185	62	100
2764	74,0	84,0	3,5	0,60	150	63	100

Artikel-Nr.	d1 (mm)	d2 (mm)	h (mm)	s Richtwert	P max. (N)	C+/-20% (N/mm)	
Article-No.	d1 (mm)	d2 (mm)	h (mm)	s Commanded Value	P max. (N)	C+/-20% (N/mm)	
2765	74,0	84,0	3,5	1,00	100	37	100
2766	79,0	88,0	3,7	0,30	160	64	100
2767	79,0	89,0	3,7	0,50	155	65	100
2768	79,0	89,0	3,9	0,60	130	69	100
2771	89,0	99,0	4,0	0,50	95	38	100
2772	89,0	99,0	4,1	0,60	320	130	100
2773	99,0	109,0	4,1	0,60	160	58	100
2774	99,0	109,0	4,2	0,50	795	318	100
2775	99,0	109,0	4,4	0,60	135	52	100
2704	109,0	119,0	4,7	0,60	230	92	100
2706	114,0	124,0	4,8	0,50	635	219	250
2707	114,0	124,0	4,8	0,60	180	56	100
2708	119,0	129,0	4,4	0,50	55	47	100
2710	119,0	129,0	4,7	0,60			100
2709	129,0	139,0	4,4	0,60	520	163	100

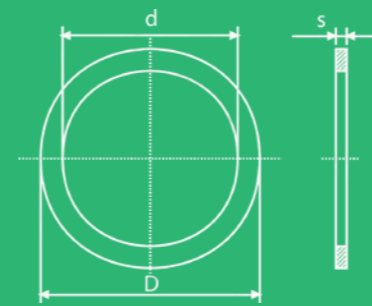
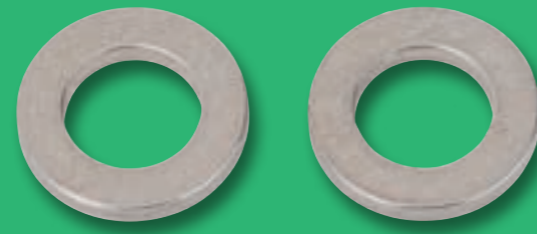


**Passscheiben
Rostfrei DIN 988**

**Shimwashers stainless
Steel DIN 988**

Passscheiben Rostfrei DIN 988

Shimwashers stainless steel DIN 988



Passscheiben Rostfrei DIN 988

Shimwashers stainless steel DIN 988

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
4184	PS 3,0	6,0	0,10	5000
4185	PS 3,0	6,0	0,20	5000
4186	PS 3,0	6,0	0,30	5000
4187	PS 3,0	6,0	0,50	5000
4188	PS 3,0	6,0	1,00	1000
4189	PS 3,0	6,0	1,20	1000
4223	PS 4,0	8,0	0,10	5000
4224	PS 4,0	8,0	0,15	5000
4225	PS 4,0	8,0	0,20	5000
4226	PS 4,0	8,0	0,30	5000
4349	PS 4,0	8,0	1,00	1000
4227	PS 4,0	8,0	0,50	5000
4229	PS 4,0	8,0	1,20	1000
4248	PS 5,0	10,0	0,10	5000
4249	PS 5,0	10,0	0,15	5000
4250	PS 5,0	10,0	0,20	5000
2198	PS 5,0	10,0	0,25	5000
4251	PS 5,0	10,0	0,30	5000
4252	PS 5,0	10,0	0,50	5000
4253	PS 5,0	10,0	1,00	1000
4255	PS 5,0	10,0	2,00	1000
4270	PS 6,0	12,0	0,10	5000
4269	PS 6,0	12,0	0,15	5000
2181	PS 6,0	12,0	0,20	5000
4272	PS 6,0	12,0	0,25	5000
4273	PS 6,0	12,0	0,30	5000
4275	PS 6,0	12,0	0,50	5000
4276	PS 6,0	12,0	1,00	1000
4277	PS 6,0	12,0	1,20	1000
4286	PS 7,0	13,0	0,10	5000
4287	PS 7,0	13,0	0,20	5000
4288	PS 7,0	13,0	0,30	5000
4289	PS 7,0	13,0	0,50	5000
4290	PS 7,0	13,0	1,00	1000
4291	PS 7,0	13,0	1,20	1000
4292	PS 7,0	13,0	1,50	1000
4306	PS 8,0	14,0	0,10	5000
4305	PS 8,0	14,0	0,15	5000
4309	PS 8,0	14,0	0,20	5000
4308	PS 8,0	14,0	0,25	5000
4310	PS 8,0	14,0	0,30	5000
4311	PS 8,0	14,0	0,50	5000
4312	PS 8,0	14,0	1,00	1000

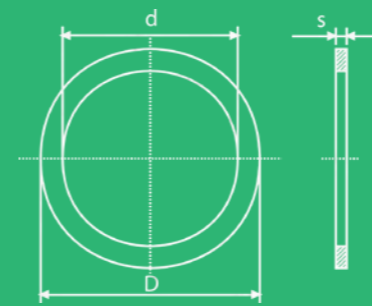
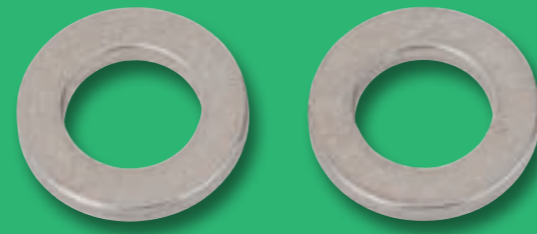
Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
4313	PS 8,0	14,0	1,20	1000
4314	PS 8,0	14,0	1,50	1000
4315	PS 8,0	14,0	2,00	500
4320	PS 9,0	15,0	0,10	5000
4322	PS 9,0	15,0	0,20	5000
4323	PS 9,0	15,0	0,30	5000
4324	PS 9,0	15,0	0,50	5000
4326	PS 9,0	15,0	1,00	1000
4327	PS 9,0	15,0	1,20	1000
4328	PS 9,0	15,0	2,00	500
3972	PS 10,0	16,0	0,10	5000
3974	PS 10,0	16,0	0,20	5000
3975	PS 10,0	16,0	0,30	5000
3976	PS 10,0	16,0	0,50	5000
3979	PS 10,0	16,0	1,00	1000
4604	PS 10,0	16,0	1,20	1000
3980	PS 10,0	16,0	1,50	500
3981	PS 10,0	16,0	2,00	500
4795	PS 11,0	17,0	0,10	1000
4796	PS 11,0	17,0	0,20	1000
3986	PS 11,0	17,0	0,30	1000
3987	PS 11,0	17,0	0,50	1000
4797	PS 11,0	17,0	1,00	1000
3994	PS 12,0	18,0	0,10	1000
3995	PS 12,0	18,0	0,20	1000
3996	PS 12,0	18,0	0,30	1000
3997	PS 12,0	18,0	0,50	1000
4000	PS 12,0	18,0	1,00	1000
4001	PS 12,0	18,0	1,20	1000
4002	PS 12,0	18,0	1,50	1000
4003	PS 12,0	18,0	2,00	500
4012	PS 13,0	19,0	0,10	1000
4013	PS 13,0	19,0	0,20	1000
4014	PS 13,0	19,0	0,30	1000
4015	PS 13,0	19,0	0,50	1000
4016	PS 13,0	19,0	1,00	1000
4017	PS 13,0	19,0	1,50	500
4022	PS 14,0	20,0	0,10	1000
1625	PS 14,0	20,0	0,20	1000
4023	PS 14,0	20,0	0,30	1000
4024	PS 14,0	20,0	0,50	1000
4025	PS 14,0	20,0	1,00	1000
4026	PS 14,0	20,0	1,50	1000

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
4027	PS 14,0	20,0	2,00	500
4031	PS 15,0	21,0	0,10	2000
4030	PS 15,0	21,0	0,15	1000
4033	PS 15,0	21,0	0,20	1000
4034	PS 15,0	21,0	0,30	1000
4035	PS 15,0	21,0	0,50	1000
4037	PS 15,0	21,0	1,00	1000
4038	PS 15,0	21,0	1,50	500
4039	PS 15,0	21,0	2,00	100
4775	PS 15,0	22,0	0,10	1000
4040	PS 15,0	22,0	0,20	1000
4041	PS 15,0	22,0	0,30	1000
4042	PS 15,0	22,0	0,50	1000
4043	PS 15,0	22,0	1,00	1000
4044	PS 15,0	22,0	1,50	1000
4049	PS 16,0	22,0	0,10	1000
4048	PS 16,0	22,0	0,15	1000
4050	PS 16,0	22,0	0,20	1000
4052	PS 16,0	22,0	0,30	1000
4054	PS 16,0	22,0	0,50	1000
4055	PS 16,0	22,0	1,00	1000
4056	PS 16,0	22,0	1,50	500
4744	PS 16,0	22,0	2,00	100
4064	PS 17,0	24,0	0,10	2000
4063	PS 17,0	24,0	0,15	1000
4065	PS 17,0	24,0	0,20	1000
4066	PS 17,0	24,0	0,30	1000
4067	PS 17,0	24,0	0,50	1000
4068	PS 17,0	24,0	1,00	1000
4069	PS 17,0	24,0	1,50	500
4071	PS 18,0	25,0	0,10	2000
4072	PS 18,0	25,0	0,20	1000
4073	PS 18,0	25,0	0,30	1000
4074	PS 18,0	25,0	0,50	1000
4075	PS 18,0	25,0	1,00	500
4076	PS 18,0	25,0	1,50	500
4077	PS 19,0	26,0	0,10	100
4078	PS 19,0	26,0	0,20	1000
4798	PS 19,0	26,0	0,30	1000
4080	PS 19,0	26,0	0,50	1000
4082	PS 19,0	26,0	1,00	500
4083	PS 19,0	26,0	1,50	100
4085	PS 20,0	28,0	0,10	1000

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
4084	PS 20,0	28,0	0,15	1000
4087	PS 20,0	28,0	0,20	1000
4088	PS 20,0	28,0	0,30	1000
4089	PS 20,0	28,0	0,50	500
4090	PS 20,0	28,0	1,00	500
4091	PS 20,0	28,0	1,50	100
4092	PS 20,0	28,0	2,00	500
4102	PS 22,0	30,0	0,10	1000
4103	PS 22,0	30,0	0,20	1000
4104	PS 22,0	30,0	0,30	1000
4105	PS 22,0	30,0	0,50	1000
4106	PS 22,0	30,0	1,00	500
4107	PS 22,0	30,0	1,50	500
4108	PS 22,0	30,0	2,00	500
4109	PS 22,0	32,0	0,10	500
4110	PS 22,0	32,0	0,20	1000
4111	PS 22,0	32,0	0,30	1000
4112	PS 22,0	32,0	0,50	1000
4113	PS 22,0	32,0	1,00	500
4114	PS 22,0	32,0	1,50	500
4115	PS 22,0	32,0	2,00	250
4122	PS 25,0	35,0	0,10	1000
4121	PS 25,0	35,0	0,15	500
4124	PS 25,0	35,0	0,20	1000
4125	PS 25,0	35,0	0,30	1000
4126	PS 25,0	35,0	0,50	500
4127	PS 25,0	35,0	1,00	500
4128	PS 25,0	35,0	1,20	500
4129	PS 25,0	35,0	1,50	500
4130	PS 25,0	35,0	2,00	250
4842	PS 25,0	36,0	0,10	1000
4843	PS 25,0	36,0	0,20	1000
4844	PS 25,0	36,0	0,30	1000
4845	PS 25,0	36,0	0,50	500
4846	PS 25,0	36,0	1,00	500
4847	PS 25,0	36,0	1,50	500
4132	PS 25,0	36,0	2,00	500
4135	PS 26,0	37,0	0,10	1000
4136	PS 26,0	37,0	0,20	100
4800	PS 26,0	37,0	0,30	1000
4137	PS 26,0	37,0	0,50	500
4138	PS 26,0	37,0	1,00	500
4801	PS 26,0	37,0	1,50	250

Passscheiben Rostfrei DIN 988

Shimwashers stainless steel DIN 988



Passscheiben Rostfrei DIN 988

Shimwashers stainless steel DIN 988

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
4139	PS 26,0	37,0	2,00	100
4142	PS 28,0	40,0	0,10	1000
4141	PS 28,0	40,0	0,15	1000
4547	PS 28,0	40,0	0,20	1000
4143	PS 28,0	40,0	0,30	200
4144	PS 28,0	40,0	0,50	500
4145	PS 28,0	40,0	1,00	500
4802	PS 28,0	40,0	1,50	250
4146	PS 28,0	40,0	2,00	100
4148	PS 30,0	42,0	0,10	100
4149	PS 30,0	42,0	0,20	1000
4150	PS 30,0	42,0	0,30	1000
4151	PS 30,0	42,0	0,50	500
4152	PS 30,0	42,0	1,00	250
4154	PS 30,0	42,0	1,50	100
4155	PS 30,0	42,0	2,00	200
4811	PS 32,0	45,0	0,10	1000
4159	PS 32,0	45,0	0,20	1000
4160	PS 32,0	45,0	0,30	1500
4161	PS 32,0	45,0	0,50	100
4435	PS 32,0	45,0	1,00	100
4803	PS 32,0	45,0	1,50	250
4162	PS 32,0	45,0	2,00	200
4163	PS 35,0	45,0	0,10	500
4794	PS 35,0	45,0	0,15	1000
4164	PS 35,0	45,0	0,20	100
4165	PS 35,0	45,0	0,30	100
4166	PS 35,0	45,0	0,50	500
4167	PS 35,0	45,0	1,00	250
4168	PS 35,0	45,0	1,50	100
4169	PS 35,0	45,0	2,00	200
4171	PS 36,0	45,0	0,10	100
4172	PS 36,0	45,0	0,20	100
1180	PS 36,0	45,0	0,30	500
4173	PS 36,0	45,0	0,50	500
4174	PS 36,0	45,0	1,00	300
4848	PS 36,0	45,0	1,50	100
4849	PS 36,0	45,0	2,00	100
4850	PS 37,0	47,0	0,10	1000
4684	PS 37,0	47,0	0,15	100
4851	PS 37,0	47,0	0,20	1000
2117	PS 37,0	47,0	0,30	1000
4176	PS 37,0	47,0	0,50	500

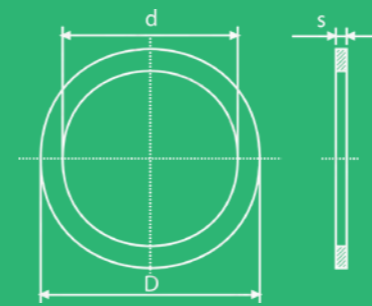
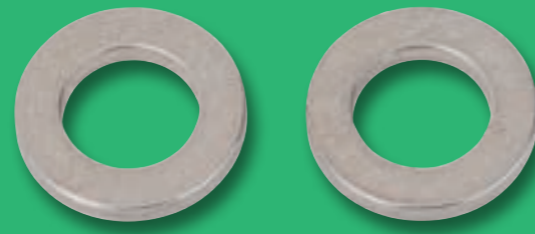
Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
4177	PS 37,0	47,0	1,00	100
4178	PS 37,0	47,0	1,50	100
4179	PS 37,0	47,0	2,00	100
4191	PS 40,0	50,0	0,10	500
4192	PS 40,0	50,0	0,20	500
4198	PS 40,0	50,0	0,30	100
4193	PS 40,0	50,0	0,50	100
4194	PS 40,0	50,0	1,00	100
4195	PS 40,0	50,0	1,50	100
4196	PS 40,0	50,0	2,00	100
1975	PS 40,0	52,0	0,50	100
4199	PS 42,0	52,0	0,10	100
4200	PS 42,0	52,0	0,15	100
4201	PS 42,0	52,0	0,20	100
4202	PS 42,0	52,0	0,30	100
4203	PS 42,0	52,0	0,50	100
4204	PS 42,0	52,0	1,00	100
4812	PS 42,0	52,0	1,50	100
4205	PS 42,0	52,0	2,00	100
4208	PS 45,0	55,0	0,10	250
4207	PS 45,0	55,0	0,15	100
4210	PS 45,0	55,0	0,20	500
4211	PS 45,0	55,0	0,30	100
4212	PS 45,0	55,0	0,50	100
4214	PS 45,0	55,0	1,00	100
4813	PS 45,0	55,0	1,50	100
4215	PS 45,0	55,0	2,00	100
4815	PS 45,0	56,0	0,10	500
4816	PS 45,0	56,0	0,20	500
4817	PS 45,0	56,0	0,30	250
4818	PS 45,0	56,0	0,50	250
4819	PS 45,0	56,0	1,00	100
1140	PS 45,0	56,0	2,00	100
2041	PS 48,0	60,0	0,10	200
2009	PS 48,0	60,0	0,15	100
4218	PS 48,0	60,0	0,20	100
2065	PS 48,0	60,0	0,30	300
4219	PS 48,0	60,0	0,50	100
4220	PS 48,0	60,0	1,00	100
4221	PS 48,0	60,0	1,50	100
4814	PS 48,0	60,0	2,00	100
4232	PS 50,0	62,0	0,10	500
4231	PS 50,0	62,0	0,15	100

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
4233	PS 50,0	62,0	0,20	250
4234	PS 50,0	62,0	0,30	250
4235	PS 50,0	62,0	0,50	100
4236	PS 50,0	62,0	1,00	100
4237	PS 50,0	62,0	1,50	100
4238	PS 50,0	62,0	2,00	100
4239	PS 50,0	62,0	3,00	100
4240	PS 50,0	63,0	0,10	500
4852	PS 50,0	63,0	0,20	500
4853	PS 50,0	63,0	0,30	500
4241	PS 50,0	63,0	0,50	100
4854	PS 50,0	63,0	1,00	100
4855	PS 50,0	63,0	1,50	100
4856	PS 50,0	63,0	2,00	100
4857	PS 52,0	65,0	0,10	500
4858	PS 52,0	65,0	0,20	500
4859	PS 52,0	65,0	0,30	250
4242	PS 52,0	65,0	0,50	100
4860	PS 52,0	65,0	1,00	100
4861	PS 52,0	65,0	1,50	100
4862	PS 52,0	65,0	2,00	100
4244	PS 55,0	68,0	0,10	100
4575	PS 55,0	68,0	0,15	500
4863	PS 55,0	68,0	0,20	500
4864	PS 55,0	68,0	0,30	500
4245	PS 55,0	68,0	0,50	100
4246	PS 55,0	68,0	1,00	100
4865	PS 55,0	68,0	1,50	100
4247	PS 55,0	68,0	2,00	100
4866	PS 56,0	70,0	0,10	500
4867	PS 56,0	70,0	0,20	500
4868	PS 56,0	70,0	0,30	250
4869	PS 56,0	70,0	0,50	250
3956	PS 56,0	70,0	1,00	100
4870	PS 56,0	70,0	1,50	100
4871	PS 56,0	70,0	2,00	100
3957	PS 56,0	72,0	0,10	100
2087	PS 56,0	72,0	0,15	500
4872	PS 56,0	72,0	0,20	500
3958	PS 56,0	72,0	0,30	200
4873	PS 56,0	72,0	0,50	200
4874	PS 56,0	72,0	1,00	100
4875	PS 56,0	72,0	1,50	100

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
4876	PS 56,0	72,0	2,00	100
1926	PS 60,0	75,0	0,10	100
1187	PS 60,0	75,0	0,15	100
1890	PS 60,0	75,0	0,20	100
2056	PS 60,0	75,0	0,30	250
4260	PS 60,0	75,0	0,50	100
4261	PS 60,0	75,0	1,00	100
4877	PS 60,0	75,0	1,50	100
4262	PS 60,0	75,0	2,00	50
4263	PS 60,0	75,0	3,00	50
4433	PS 63,0	80,0	0,10	500
4878	PS 63,0	80,0	0,20	500
4879	PS 63,0	80,0	0,30	250
4432	PS 63,0	80,0	0,50	100
4265	PS 63,0	80,0	1,00	100
4880	PS 63,0	80,0	1,50	100
1803	PS 63,0	80,0	2,00	50
1941	PS 65,0	85,0	0,20	100
4884	PS 65,0	85,0	0,30	250
1154	PS 65,0	85,0	0,50	200
1942	PS 65,0	85,0	1,00	100
4881	PS 65,0	85,0	1,50	100
4882	PS 65,0	85,0	2,00	100
4885	PS 70,0	90,0	0,10	500
4487	PS 70,0	90,0	0,20	500
4886	PS 70,0	90,0	0,30	250
4488	PS 70,0	90,0	0,50	200
4284	PS 70,0	90,0	1,00	100
4887	PS 70,0	90,0	1,50	100
1816	PS 70,0	90,0	2,00	50
4888	PS 75,0	95,0	0,10	500
4889	PS 75,0	95,0	0,20	500
4890	PS 75,0	95,0	0,30	250
4891	PS 75,0	95,0	0,50	100
4892	PS 75,0	95,0	1,00	100
4893	PS 75,0	95,0	1,50	100
4894	PS 75,0	95,0	2,00	100
4285	PS 76,0	95,0	1,00	100
4895	PS 80,0	100,0	0,10	500
4896	PS 80,0	100,0	0,20	500
4293	PS 80,0	100,0	0,30	100
4294	PS 80,0	100,0	0,50	100
4295	PS 80,0	100,0	1,00	100

Passscheiben Rostfrei DIN 988

Shimwashers stainless steel DIN 988



Passscheiben Rostfrei DIN 988

Shimwashers stainless steel DIN 988

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
4897	PS 80,0	100,0	1,50	100
4898	PS 80,0	100,0	2,00	50
4296	PS 80,0	140,0	2,00	100
4297	PS 85,0	105,0	0,10	500
4900	PS 85,0	105,0	0,20	500
4901	PS 85,0	105,0	0,30	250
4902	PS 85,0	105,0	0,50	100
4903	PS 85,0	105,0	1,00	100
4904	PS 85,0	105,0	1,50	50
4905	PS 90,0	110,0	0,10	500
4906	PS 90,0	110,0	0,20	500
4907	PS 90,0	110,0	0,30	250
4908	PS 90,0	110,0	0,50	100
4318	PS 90,0	110,0	1,00	100
1155	PS 90,0	110,0	1,50	100
4319	PS 90,0	110,0	2,00	100
4910	PS 95,0	115,0	0,10	500
4911	PS 95,0	115,0	0,20	500
4912	PS 95,0	115,0	0,30	250
4913	PS 95,0	115,0	0,50	100
4914	PS 95,0	115,0	1,00	100
4915	PS 95,0	115,0	1,50	100
4916	PS 95,0	115,0	2,00	50
3962	PS 100,0	120,0	0,10	250
4990	PS 100,0	120,0	0,20	500
3963	PS 100,0	120,0	0,30	250
4991	PS 100,0	120,0	0,50	100
3964	PS 100,0	120,0	1,00	100
4992	PS 100,0	120,0	1,50	100
3965	PS 100,0	120,0	2,00	50
3966	PS 100,0	125,0	0,10	100
4899	PS 100,0	125,0	0,20	250
4783	PS 100,0	125,0	0,30	100
3967	PS 100,0	125,0	0,50	100
4784	PS 100,0	125,0	1,00	100
4993	PS 105,0	130,0	0,10	250
4994	PS 105,0	130,0	0,20	250
4995	PS 105,0	130,0	0,30	250
4996	PS 105,0	130,0	0,50	100
3968	PS 105,0	130,0	1,00	100
4997	PS 110,0	140,0	0,10	250
4998	PS 110,0	140,0	0,20	250
4999	PS 110,0	140,0	0,30	250

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
5000	PS 110,0	140,0	0,50	100
5001	PS 110,0	140,0	1,00	100
5002	PS 120,0	150,0	0,10	100
5003	PS 120,0	150,0	0,20	250
5004	PS 120,0	150,0	0,30	250
5005	PS 120,0	150,0	0,50	250
3991	PS 120,0	150,0	1,00	100
4009	PS 130,0	160,0	0,10	100
5008	PS 130,0	160,0	0,20	250
4010	PS 130,0	160,0	0,30	100
5006	PS 130,0	160,0	0,50	100
5007	PS 130,0	160,0	1,00	100
5011	PS 140,0	170,0	0,10	250
5012	PS 140,0	170,0	0,20	250
5013	PS 140,0	170,0	0,30	250
5014	PS 140,0	170,0	0,50	100
5015	PS 140,0	170,0	1,00	100
5016	PS 150,0	180,0	0,10	250
5017	PS 150,0	180,0	0,20	250
5018	PS 150,0	180,0	0,30	250
5019	PS 150,0	180,0	0,50	100
5020	PS 150,0	180,0	1,00	100
5021	PS 160,0	190,0	0,10	250
5022	PS 160,0	190,0	0,20	250
5023	PS 160,0	190,0	0,30	250
5024	PS 160,0	190,0	0,50	100
5025	PS 160,0	190,0	1,00	100
4061	PS 170,0	200,0	0,10	250
5026	PS 170,0	200,0	0,20	250
5027	PS 170,0	200,0	0,30	250
5028	PS 170,0	200,0	0,50	100
5029	PS 170,0	200,0	1,00	100



Rostfreies Material: / Stainless Material:

- 1.4301 = AISI 304 = A2
- 1.4310 = AISI 301 = A2
- 1.4401 = AISI 316 = A4
- 1.4404 = AISI 316 = A4

Sonderscheiben

Special Washers

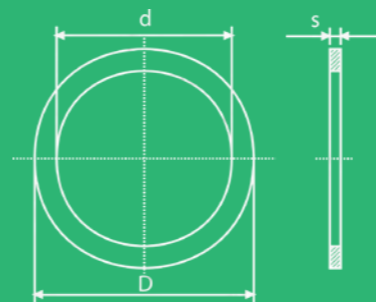


**Passscheibe nach DIN 988 oder nach Zeichnung.
Stützscheibe gehärtet nach DIN 988 oder nach Zeichnung.**

Shim Washers to DIN 988 or according to drawing.
Support Washers to DIN 988 or according to drawing.

Sonderpassscheiben ähnl. DIN 988 oder nach Zeichnung

Special Shim Washers similar to DIN 988
or according to Drawing



Sonderpassscheiben ähnl. DIN 988 oder nach Zeichnung

Special Shim Washers similar to DIN 988
or according to Drawing

Artikel-Nr.	d (mm)	D (mm)	s (mm)		
Article No.	d (mm)	D (mm)	s (mm)		
2201	PS 3,0	4,5	0,12	5000	
2037	PS 3,0	5,0	0,20	5000	
1393	PS 3,0	5,0	0,50	5000	
4732	PS 3,0	6,0	2,50	5000	
4505	PS 4,0	6,0	0,15	5000	
1332	PS 4,0	8,0	1,50	5000	
2191	PS 4,0	10,0	0,80	5000	
1583	PS 4,0	10,0	1,00	5000	
4504	PS 4,0	16,0	0,15	5000	
2206	PS 4,0	16,0	0,20	5000	
1347	PS 4,0	16,0	0,50	5000	
1203	PS 5,0	8,0	0,10	5000	
1588	PS 5,0	8,0	0,20	5000	
2190	PS 5,0	8,0	0,30	5000	
1587	PS 5,0	8,0	0,50	5000	
1589	PS 5,0	8,0	1,00	5000	
1202	PS 6,0	8,0	0,15	5000	
4446	PS 6,0	10,0	0,10	5000	
1357	PS 6,0	10,0	0,50	5000	
1695	PS 6,0	10,0	1,00	5000	
2193	PS 6,0	10,0	1,50	5000	
1472	PS 6,0	10,0	1,60	5000	
1156	PS 6,0	12,0	0,05	5000	
1590	PS 6,0	12,0	1,50	2000	
1212	PS 6,0	12,0	1,60	2000	
4368	PS 6,0	12,0	2,00	1000	
1593	PS 6,0	14,0	0,10	5000	
4657	PS 6,0	14,0	0,50	5000	
1592	PS 6,0	18,0	1,50	1000	
1594	PS 7,0	11,0	0,20	5000	
1595	PS 7,0	14,0	1,30	1000	
1313	PS 8,0	12,0	0,10	5000	
1783	PS 8,0	12,0	0,15	5000	
1784	PS 8,0	12,0	0,20	5000	
1211	PS 8,0	12,0	0,50	5000	

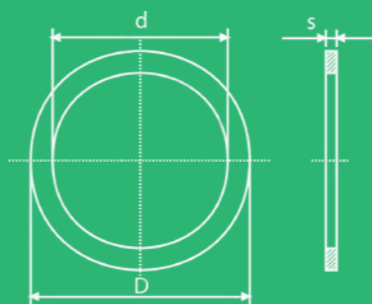
Artikel-Nr.	d (mm)	D (mm)	s (mm)		
Article No.	d (mm)	D (mm)	s (mm)		
4443	PS 8,0	12,0	1,00	500	
2192	PS 8,0	13,0	0,30	5000	
4550	PS 8,0	14,0	0,70	5000	
4628	PS 8,0	14,0	1,40	1000	
1597	PS 8,0	14,0	1,50	1000	
1215	PS 8,0	14,0	1,60	1000	
4444	PS 8,0	14,0	2,00	100	
1598	PS 8,0	15,0	0,40	5000	
2177	PS 8,0	15,0	0,80	5000	
1398	PS 8,0	16,0	0,50	5000	
4529	PS 8,0	16,0	1,00	5000	
1222	PS 8,0	16,0	1,20	1000	
1600	PS 8,0	16,0	1,60	500	
2141	PS 8,0	18,0	0,40	5000	
1599	PS 8,0	18,0	1,00	1000	
4675	PS 8,0	20,0	0,10	5000	
4406	PS 8,0	20,0	0,50	5000	
1217	PS 9,0	15,0	1,50	500	
1603	PS 9,0	15,0	2,00	1000	
1214	PS 10,0	13,0	0,20	500	
1281	PS 10,0	14,0	0,10	1000	
1492	PS 10,0	14,0	1,00	1000	
1220	PS 10,0	16,0	0,80	1000	
1221	PS 10,0	16,0	1,70	1000	
1606	PS 10,0	20,0	0,10	2000	
4352	PS 10,0	20,0	0,25	1000	
1607	PS 10,0	20,0	0,30	2000	
1227	PS 10,0	20,0	0,50	1000	
1229	PS 10,0	20,0	1,00	500	
1609	PS 10,0	22,0	0,10	1000	
1610	PS 10,0	22,0	0,20	500	
1436	PS 10,0	22,0	0,30	500	
1608	PS 10,0	22,0	0,50	1000	
1303	PS 10,0	22,0	1,00	1000	
2210	PS 10,0	25,0	0,30	100	

Artikel-Nr.	d (mm)	D (mm)	s (mm)		
Article No.	d (mm)	D (mm)	s (mm)		
2211	PS 10,0	25,0	0,50	100	
1612	PS 10,0	31,0	0,20	1000	
1228	PS 10,0	20,0	0,80	200	
1614	PS 11,0	20,0	1,00	1500	
4358	PS 11,0	22,0	0,50	1000	
1615	PS 11,0	16,0	0,30	1000	
1219	PS 12,0	16,0	0,50	1000	
4735	PS 12,0	18,0	0,10	1000	
4736	PS 12,0	18,0	0,20	1000	
4737	PS 12,0	18,0	0,30	1000	
1224	PS 12,0	18,0	0,80	1000	
1616	PS 12,0	18,0	1,50	1000	
4673	PS 12,0	18,0	1,80	500	
1225	PS 12,0	18,0	2,00	1000	
1163	PS 12,0	18,0	2,50	500	
4639	PS 12,0	20,0	1,00	1000	
1358	PS 12,0	20,0	4,00	50	
2171	PS 12,0	24,0	0,15	2000	
1617	PS 12,0	24,0	0,20	2000	
1621	PS 12,0	24,0	0,25	2000	
2172	PS 12,0	24,0	0,40	2000	
2173	PS 12,0	24,0	0,45	2000	
1233	PS 12,0	24,0	0,50	2000	
2120	PS 12,0	24,0	0,60	1000	
1618	PS 12,0	24,0	1,00	1000	
1619	PS 12,0	25,0	0,50	1000	
1482	PS 12,0	25,0	1,00	1000	
4398	PS 12,0	26,0	1,50	100	
4373	PS 12,0	28,0	0,50	1000	
1815	PS 12,0	70,0	8,00	50	
4689	PS 12,0	80,0	0,15	100	
4453	PS 12,0	23,0	0,50	100	
1223	PS 12,1	17,5	0,10	1000	
1624	PS 13,0	17,5	0,20	1000	
1301	PS 13,0	17,5	0,50	1000	

Artikel-Nr.	d (mm)	D (mm)	s (mm)		
Article No.	d (mm)	D (mm)	s (mm)		
2223	PS 13,0	19,0	0,60	200	
1623	PS 13,0	19,0	1,50	500	
2089	PS 13,0	24,5	1,00	500	
1321	PS 13,0	30,0	0,20	1000	
1162	PS 13,0	30,0	1,00	500	
1161	PS 13,0	30,0	2,00	500	
1322	PS 13,5	24,0	1,00	1000	
1626	PS 14,0	20,0	1,50	1000	
1627	PS 14,0	20,0	2,00	200	
1216	PS 14,0	20,0	3,00	250	
2226	PS 14,0	21,8	0,30	1000	
2068	PS 14,0	24,0	0,25	2000	
1629	PS 14,0	24,0	0,50	1000	
1234	PS 14,0	24,0	1,00	1000	
1630	PS 14,0	26,0	0,10	1000	
1631	PS 14,0	30,0	0,50	100	
1946	PS 14,5	24,0	0,30	100	
1947	PS 14,5	24,0	0,40	100	
1948	PS 14,5	24,0	0,50	100	
1949	PS 14,5	24,0	0,60	100	
1950	PS 14,5	24,0	0,70	100	
1951	PS 14,5	24,0	0,90	100	
1952	PS 14,5	24,0	1,00	100	
1953	PS 14,5	24,0	1,10	100	
1954	PS 14,5	24,0	1,20	100	
1230	PS 15,0	21,0	1,30	200	
1231	PS 15,0	21,0	2,00	1000	
4627	PS 15,0	22,0	1,25	500	
2073	PS 15,0	22,0	1,30	500	
4645	PS 15,0	22,0	2,00	500	
1632	PS 15,0	25,0	1,00	1000	
4481	PS 16,0	16,0	0,10	500	
1635	PS 16,0	16,0	0,20	1000	
1636	PS 16,0	16,0	1,50	1000	
1747	PS 16,0	16,0	1,80	1000	

Sonderpassscheiben ähnl. DIN 988 oder nach Zeichnung

Special Shim Washers similar to DIN 988
or according to Drawing



Sonderpassscheiben ähnl. DIN 988 oder nach Zeichnung

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Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
4720	PS 16,0	24,0	0,10	1000
4721	PS 16,0	24,0	0,20	1000
4722	PS 16,0	24,0	1,50	1000
1342	PS 16,0	24,5	1,00	500
1388	PS 16,0	26,0	0,10	500
1236	PS 16,0	26,0	0,20	100
1637	PS 16,0	26,0	0,25	2000
1237	PS 16,0	26,0	0,50	1000
1634	PS 16,0	26,0	1,00	500
1542	PS 16,0	28,0	0,10	1000
1238	PS 16,0	28,0	0,25	1000
1638	PS 16,0	28,0	0,30	500
1404	PS 16,0	28,0	0,50	500
1639	PS 16,0	28,0	1,00	1000
2174	PS 16,50	22,0	0,30	2000
2122	PS 16,5	22,0	0,50	1000
4629	PS 16,6	28,0	0,50	1000
4440	PS 16,8	24,0	5,00	100
1570	PS 17,0	21,0	0,15	100
1363	PS 17,0	21,0	0,50	1000
1640	PS 17,0	21,0	1,50	100
4705	PS 17,0	22,0	0,50	1000
1351	PS 17,0	22,0	1,00	100
4647	PS 17,0	24,0	1,50	1000
1235	PS 17,0	24,0	2,00	500
4638	PS 17,0	24,0	3,00	100
4456	PS 17,0	28,0	0,30	100
1641	PS 18,0	25,0	2,00	500
2078	PS 18,0	28,0	1,20	500
1642	PS 18,0	30,0	0,10	1000
1239	PS 18,0	30,0	0,25	1000
1438	PS 18,0	30,0	0,50	500
4345	PS 18,0	30,0	1,00	1000
1370	PS 18,5	24,0	0,40	1000
2025	PS 19,0	25,0	1,00	200

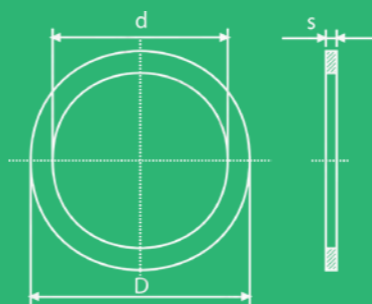
Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
4365	PS 19,0	26,0	0,80	5000
1643	PS 19,0	26,0	2,00	500
1644	PS 19,5	23,5	0,50	1000
4630	PS 20,0	23,0	0,10	500
1374	PS 20,0	24,0	0,50	2000
1383	PS 20,0	25,5	1,00	500
1645	PS 20,0	26,0	0,50	1000
1192	PS 20,0	28,0	0,05	1000
1372	PS 20,0	28,0	1,10	200
4425	PS 20,0	28,0	1,30	500
4500	PS 20,0	28,0	1,40	500
4457	PS 20,0	30,0	1,50	100
4679	PS 20,0	32,0	0,10	2500
1241	PS 20,0	32,0	0,25	1000
1439	PS 20,0	32,0	0,50	1000
4558	PS 20,0	32,0	1,00	500
2052	PS 20,0	35,0	0,10	250
2053	PS 20,0	35,0	0,20	250
2054	PS 20,0	35,0	0,30	250
4576	PS 20,0	38,0	0,10	1000
1646	PS 20,0	38,0	1,00	500
1647	PS 20,0	40,0	1,00	500
2038	PS 20,0	80,0	0,10	200
2039	PS 20,0	80,0	0,20	200
4361	PS 21,0	27,8	0,50	1000
2170	PS 22,0	25,0	0,10	2000
2118	PS 22,0	25,0	0,15	1000
2119	PS 22,0	25,0	0,30	1000
1824	PS 22,0	25,0	0,50	100
1379	PS 22,0	25,0	1,40	250
1380	PS 22,0	25,0	1,43	250
1381	PS 22,0	25,0	1,45	250
1839	PS 22,0	28,0	2,00	100
1649	PS 22,0	28,3	1,00	1000
1392	PS 22,0	32,0	2,20	100

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
2250	PS 22,0	34,0	1,00	500
4677	PS 22,0	35,0	0,20	250
2090	PS 22,0	39,5	1,00	500
2136	PS 22,0	40,0	0,10	1000
2069	PS 23,0	30,0	1,00	500
2144	PS 23,0	33,5	0,30	1000
4387	PS 24,0	32,0	0,20	100
1557	PS 24,0	34,0	0,25	100
1651	PS 24,0	34,0	0,50	500
1242	PS 24,0	34,0	1,00	500
1654	PS 24,0	36,0	0,10	1000
1652	PS 24,0	36,0	0,30	1000
1377	PS 24,0	36,0	1,00	1000
1653	PS 24,0	40,0	0,50	250
1655	PS 25,0	30,0	0,10	1000
1657	PS 25,0	30,0	0,15	500
1658	PS 25,0	30,0	0,20	1000
1656	PS 25,0	30,0	0,30	500
1659	PS 25,0	30,0	0,50	500
1382	PS 25,0	30,0	1,00	500
2083	PS 25,0	30,0	2,00	500
1373	PS 25,0	31,0	0,50	500
1318	PS 25,0	32,0	0,20	1000
1319	PS 25,0	32,0	0,30	500
1320	PS 25,0	32,0	0,50	1000
1660	PS 25,0	35,0	1,40	500
4430	PS 25,0	35,0	2,00	100
4356	PS 25,0	36,0	1,40	500
2020	PS 25,0	37,0	0,25	200
4489	PS 25,0	40,0	0,40	500
1752	PS 25,0	40,0	0,70	1000
1661	PS 25,0	50,0	2,00	150
1886	PS 25,0	70,0	0,20	100
4436	PS 26,0	30,0	0,10	2000
4437	PS 26,0	30,0	0,15	1000

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
1662	PS 26,0	30,0	0,30	250
4501	PS 26,0	30,0	0,50	500
4438	PS 2,60	30,0	1,00	500
4439	PS 26,0	30,0	1,92	500
2071	PS 26,0	34,0	0,50	500
1753	PS 26,0	36,0	0,25	1000
4641	PS 26,0	36,0	0,50	500
1387	PS 26,0	36,0	1,00	500
4479	PS 26,0	37,0	3,00	50
4464	PS 26,0	40,0	0,50	500
1200	PS 26,0	40,0	1,50	500
2115	PS 26,5	31,7	0,40	500
4739	PS 27,0	35,0	1,00	100
1485	PS 28,0	35,0	0,15	1000
1466	PS 28,0	35,0	0,50	500
2046	PS 28,0	38,0	0,25	250
4642	PS 28,0	38,0	0,50	500
1442	PS 28,0	38,0	1,00	500
4485	PS 28,0	39,5	1,00	500
1440	PS 30,0	35,0	0,10	1000
1664	PS 30,0	35,0	0,15	1000
1665	PS 30,0	35,0	0,20	500
1484	PS 30,0	35,0	0,30	1000
1441	PS 30,0	35,0	0,50	500
1543	PS 30,0	35,0	1,00	100
2026	PS 30,0	37,0	0,50	200
4681	PS 30,0	38,0	0,10	1000
1417	PS 30,0	38,0	0,15	1000
1666	PS 30,0	38,0	0,30	500
1755	PS 30,0	38,0	1,00	1000
1208	PS 30,0	40,0	0,10	500
1207	PS 30,0	40,0	0,15	100
1209	PS 30,0	40,0	0,20	1000
1424	PS 30,0	40,0	0,25	500
1467	PS 30,0	40,0	0,50	500



Sonderpassscheiben ähnl. DIN 988 oder nach Zeichnung



Special Shim Washers similar to DIN 988
or according to Drawing







Sonderpassscheiben ähnl. DIN 988 oder nach Zeichnung

Special Shim Washers similar to DIN 988
or according to Drawing

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
1443	PS 30,0	40,0	1,00	250
4507	PS 30,0	42,0	1,70	250
4691	PS 30,0	42,0	2,50	50
1191	PS 30,0	42,0	3,00	500
4734	PS 30,0	45,0	1,00	100
4400	PS 30,0	45,0	3,00	100
1935	PS 30,0	47,0	0,25	100
1934	PS 30,0	47,0	0,50	100
1754	PS 30,0	50,0	1,00	200
1840	PS 30,0	50,0	2,00	100
4590	PS 30,0	55,0	2,00	100
1887	PS 30,0	60,0	1,00	100
1888	PS 30,0	70,0	1,00	100
4461	PS 30,5	38,0	0,50	500
1199	PS 30,5	40,0	2,00	200
1183	PS 30,5	60,0	1,00	100
1400	PS 32,0	36,0	0,30	200
1428	PS 32,0	40,0	0,10	500
1427	PS 32,0	40,0	0,20	1000
1962	PS 32,0	40,0	0,25	100
1403	PS 32,0	40,0	0,30	500
1963	PS 32,0	40,0	0,40	100
1756	PS 32,0	40,0	0,50	500
1757	PS 32,0	42,0	0,10	1000
1401	PS 32,0	42,0	0,30	500
1402	PS 32,0	42,0	0,50	500
1376	PS 32,0	42,0	2,50	100
4350	PS 32,0	44,0	0,10	1000
1327	PS 32,0	44,0	0,50	100
4494	PS 32,0	45,0	2,50	100
4480	PS 32,0	45,0	3,00	50
1408	PS 32,0	52,0	0,25	250
2044	PS 32,0	52,0	0,50	250
2045	PS 32,0	52,0	1,00	250
1422	PS 34,0	40,0	0,10	1000

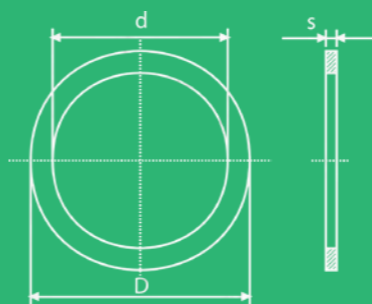
Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
1423	PS 34,0	40,0	0,15	500
1375	PS 34,0	40,0	0,20	500
1406	PS 34,0	40,0	0,50	500
1544	PS 34,0	40,0	1,00	100
2272	PS 34,0	46,0	0,30	500
4542	PS 35,0	39,5	0,10	1000
4543	PS 35,0	39,5	0,15	100
4541	PS 35,0	39,5	2,50	100
1668	PS 35,0	40,0	0,50	500
4648	PS 35,0	40,0	2,00	250
1409	PS 35,0	42,0	0,10	1000
1669	PS 35,0	42,0	0,15	1000
1405	PS 35,0	42,0	0,30	1000
1758	PS 35,0	42,0	0,50	500
1435	PS 35,0	42,0	1,00	250
2274	PS 35,0	45,0	0,40	100
1759	PS 35,0	45,0	1,10	200
1898	PS 35,0	50,0	0,25	100
1670	PS 35,0	50,0	0,50	500
1464	PS 35,0	50,0	1,00	250
1582	PS 35,0	50,0	2,50	150
1672	PS 35,0	52,0	0,20	250
2048	PS 35,0	52,0	0,40	250
2049	PS 35,0	52,0	0,60	250
2021	PS 35,0	55,0	0,50	200
2012	PS 35,2	42,0	0,50	100
4374	PS 36,0	40,0	0,50	500
1673	PS 36,0	42,0	0,10	1000
1326	PS 36,0	42,0	0,15	500
2275	PS 36,0	42,0	0,20	1000
4690	PS 36,0	42,0	0,30	500
4733	PS 36,0	42,0	0,50	500
1675	PS 36,0	42,0	1,00	500
2276	PS 36,0	48,0	0,30	100
1676	PS 36,0	56,0	0,25	500

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
1413	PS 36,0	56,0	0,50	250
1412	PS 36,0	56,0	1,00	100
2127	PS 37,0	52,0	0,05	1000
1331	PS 38,0	53,0	0,30	500
4448	PS 38,0	50,0	0,10	500
1529	PS 38,0	50,0	0,50	100
1677	PS 40,0	45,0	0,10	1000
1760	PS 40,0	45,0	0,15	1000
1680	PS 40,0	45,0	0,30	1000
2102	PS 40,0	45,0	0,50	500
1407	PS 40,0	45,0	1,00	500
1841	PS 40,0	45,0	2,00	100
4581	PS 40,0	46,0	2,50	100
1244	PS 40,0	46,0	0,15	500
1761	PS 40,0	47,0	0,10	250
1456	PS 40,0	47,0	0,15	500
4612	PS 40,0	47,0	0,20	100
1245	PS 40,0	47,0	0,30	500
1246	PS 40,0	47,0	0,50	100
1444	PS 40,0	47,0	1,00	250
1445	PS 40,0	47,0	2,00	100
1920	PS 40,0	47,0	2,50	100
1964	PS 40,0	48,0	0,10	100
1965	PS 40,0	48,0	0,15	100
1966	PS 40,0	48,0	0,25	100
1967	PS 40,0	48,0	0,30	100
1968	PS 40,0	48,0	0,40	100
1969	PS 40,0	48,0	0,50	100
1842	PS 40,0	48,0	2,00	100
4633	PS 40,0	50,0	1,80	100
4401	PS 40,0	50,0	3,00	50
2280	PS 40,0	52,0	0,30	250
1530	PS 40,0	52,0	1,00	100
2281	PS 40,0	55,0	0,20	100
2282	PS 40,0	55,0	0,50	100

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
1678	PS 40,0	56,0	0,20	500
1338	PS 40,0	56,0	0,50	500
1679	PS 40,0	60,0	0,25	250
1250	PS 40,0	60,0	0,50	100
1545	PS 40,0	60,0	1,00	100
1494	PS 40,0	60,0	3,00	25
1889	PS 40,0	65,0	3,00	100
1193	PS 40,0	70,0	3,00	50
4622	PS 41,0	61,0	1,00	100
4496	PS 42,0	47,0	0,10	1000
1586	PS 42,0	50,0	0,30	500
1201	PS 42,0	60,0	0,50	100
2031	PS 42,0	62,0	0,10	200
1491	PS 44,0	52,0	0,50	100
1800	PS 44,0	60,0	4,50	25
1449	PS 45,0	50,0	1,00	100
1447	PS 45,0	52,0	0,10	500
1681	PS 45,0	52,0	0,15	500
1490	PS 45,0	52,0	0,20	500
1448	PS 45,0	52,0	0,30	250
1452	PS 45,0	52,0	0,50	100
1450	PS 45,0	52,0	1,00	100
1451	PS 45,0	52,0	2,00	50
1247	PS 45,0	55,0	1,60	100
1495	PS 45,0	55,0	1,75	50
1248	PS 45,0	55,0	1,80	100
4402	PS 45,0	55,0	3,00	50
2029	PS 45,0	58,0	4,50	200
4525	PS 45,0	65,0	0,10	500
4526	PS 45,0	65,0	0,20	500
2047	PS 45,0	65,0	0,30	250
4527	PS 45,0	65,0	0,50	100
4528	PS 45,0	65,0	1,00	100
1836	PS 45,0	65,0	2,00	100
2285	PS 45,2	65,0	0,20	500

Sonderpassscheiben ähnl. DIN 988 oder nach Zeichnung

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Sonderpassscheiben ähnl. DIN 988 oder nach Zeichnung

Special Shim Washers similar to DIN 988
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Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
1943	PS 46,0	52,0	1,00	100
1821	PS 46,0	58,0	0,50	100
1682	PS 46,0	58,0	1,00	200
1461	PS 47,0	55,0	0,50	100
1488	PS 47,0	55,0	1,00	100
4384	PS 46,0	90,0	2,00	100
1925	PS 48,0	5,0	1,00	100
2096	PS 48,0	55,0	0,10	500
2097	PS 48,0	55,0	0,15	500
2059	PS 48,0	55,0	0,30	250
2027	PS 48,0	55,0	0,50	200
4548	PS 48,0	55,0	1,00	100
1843	PS 48,0	58,0	1,00	100
1849	PS 48,0	60,0	0,40	100
4545	PS 50,0	55,0	0,10	100
4546	PS 50,0	55,0	0,15	100
4544	PS 50,0	55,0	3,00	50
1468	PS 50,0	58,0	0,10	500
1497	PS 50,0	58,0	0,15	100
1469	PS 50,0	58,0	0,30	250
1470	PS 50,0	58,0	0,50	100
1498	PS 50,0	58,0	1,00	100
1249	PS 50,0	60,0	0,20	500
4626	PS 50,0	62,0	0,40	100
4676	PS 50,0	62,0	1,10	100
4371	PS 50,0	63,0	1,70	100
4680	PS 50,0	63,0	1,80	100
1251	PS 50,0	66,0	2,00	100
2064	PS 50,0	68,0	0,10	300
2063	PS 50,0	68,0	0,20	300
4618	PS 50,0	68,0	0,30	250
4617	PS 50,0	68,0	0,50	100
4616	PS 50,0	68,0	1,00	100
4369	PS 50,0	70,0	0,10	300
1685	PS 50,0	70,0	0,20	300

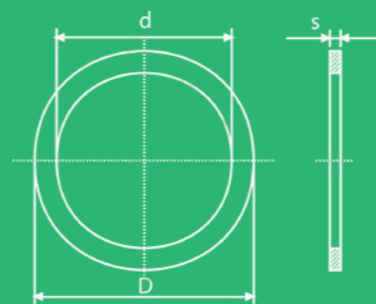
Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
1686	PS 50,0	70,0	0,30	300
1687	PS 50,0	70,0	0,50	100
1823	PS 50,0	75,0	0,30	100
4564	PS 50,0	90,0	3,00	50
1173	PS 50,0	100,0	1,00	100
1174	PS 50,0	100,0	2,00	100
1175	PS 50,0	100,0	3,00	100
1176	PS 50,0	100,0	4,00	50
1762	PS 50,7	62,0	0,10	500
1184	PS 51,0	60,0	1,00	100
1138	PS 51,5	65,0	0,50	100
1688	PS 52,0	72,0	0,50	200
1185	PS 53,0	60,0	1,00	100
1453	PS 53,0	62,0	0,10	500
1689	PS 53,0	62,0	0,15	500
1411	PS 53,0	62,0	0,30	250
1385	PS 54,0	62,0	0,10	500
1386	PS 54,0	62,0	0,15	200
1454	PS 54,0	62,0	0,30	250
1455	PS 54,0	62,0	0,50	100
1487	PS 54,0	62,0	1,00	100
1501	PS 54,0	62,0	1,50	100
1486	PS 54,5	62,0	1,00	100
1518	PS 55,0	62,0	0,10	100
1690	PS 55,0	62,0	0,15	500
1763	PS 55,0	62,0	0,20	250
1764	PS 55,0	62,0	0,30	250
1500	PS 55,0	62,0	0,50	100
1341	PS 55,0	62,0	1,00	100
2004	PS 55,0	62,0	1,30	100
1517	PS 55,0	65,0	1,00	100
2028	PS 55,0	65,0	2,00	200
2024	PS 55,0	67,0	0,10	200
4367	PS 55,0	68,0	0,70	400
4659	PS 55,0	68,0	3,00	100

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
4649	PS 55,0	75,0	1,00	100
1844	PS 55,0	75,0	2,00	100
2018	PS 55,0	80,0	2,00	150
4385	PS 56,0	62,0	0,10	500
4658	PS 56,0	72,0	3,00	50
4380	PS 57,0	64,9	0,10	100
1503	PS 57,0	65,0	0,50	100
1691	PS 57,0	68,0	0,30	250
1692	PS 57,0	68,0	0,50	200
1260	PS 57,0	68,0	1,00	100
1765	PS 58,0	68,0	0,10	250
1345	PS 58,0	68,0	0,15	250
1343	PS 58,0	68,0	0,20	200
1344	PS 58,0	68,0	0,30	250
1502	PS 58,0	68,0	0,50	100
1346	PS 58,0	68,0	1,00	100
1693	PS 58,0	72,0	0,20	500
1694	PS 58,0	72,0	0,50	200
1414	PS 58,0	72,0	3,50	50
2088	PS 58,2	68,0	0,15	500
1457	PS 59,0	72,0	0,10	200
1460	PS 59,0	72,0	0,15	500
1458	PS 59,0	72,0	0,30	200
2055	PS 60,0	67,0	0,15	250
2080	PS 60,0	67,0	0,30	500
2081	PS 60,0	67,0	0,50	500
2082	PS 60,0	67,0	1,00	500
4499	PS 60,0	68,0	0,10	500
1519	PS 60,0	68,0	0,15	100
4508	PS 60,0	68,0	0,30	500
4578	PS 60,0	68,0	1,00	100
2287	PS 60,0	70,0	0,30	100
2066	PS 60,0	70,0	3,00	400
1697	PS 60,0	72,0	0,10	500
1766	PS 60,0	72,0	0,15	500

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
1698	PS 60,0	72,0	0,30	250
1767	PS 60,0	72,0	0,50	100
1564	PS 60,0	72,0	1,00	100
1243	PS 60,0	75,0	0,90	100
2288	PS 60,0	75,0	0,92	500
2030	PS 60,0	75,0	4,50	200
1845	PS 60,0	80,0	0,20	100
1903	PS 60,0	82,0	1,00	100
1904	PS 60,0	82,0	2,00	100
4477	PS 60,5	71,0	0,50	100
2289	PS 61,0	73,0	0,15	100
2290	PS 61,0	73,0	0,20	100
2291	PS 61,0	73,0	0,25	100
2292	PS 61,0	73,0	0,30	100
1699	PS 61,0	90,0	0,30	200
1846	PS 62,0	67,5	0,50	100
1847	PS 62,0	67,5	1,00	100
4512	PS 62,0	72,0	0,30	100
1547	PS 62,0	72,0	0,50	100
1253	PS 62,0	72,0	1,00	100
1254	PS 62,0	72,0	2,00	100
4482	PS 62,0	72,0	4,00	50
2293	PS 62,0	90,0	0,40	100
1700	PS 62,0	110,0	1,00	500
1252	PS 63,0	72,0	0,10	100
1548	PS 63,0	72,0	0,15	100
1701	PS 63,0	72,0	0,20	200
1389	PS 63,0	72,0	0,30	250
1255	PS 63,0	72,0	0,50	100
1350	PS 63,0	72,0	1,00	100
1768	PS 63,0	75,0	0,10	500
1415	PS 63,0	75,0	0,50	100
1394	PS 63,0	75,0	1,00	100
1981	PS 63,0	80,0	1,70	100
4700	PS 63,0	80,0	3,00	100

Sonderpassscheiben ähnl. DIN 988 oder nach Zeichnung

Special Shim Washers similar to DIN 988
or according to Drawing



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Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
2300	PS 64,0	75,0	0,40	100
2294	PS 64,4	77,2	0,35	100
2295	PS 64,4	77,2	0,40	100
2296	PS 64,4	77,2	0,45	100
2297	PS 64,4	77,2	0,50	100
2298	PS 64,4	77,2	0,55	100
2299	PS 64,4	77,2	0,60	100
2014	PS 64,5	72,0	0,50	100
1830	PS 64,5	72,0	1,00	100
2111	PS 65,0	74,0	0,25	500
1704	PS 65,0	74,0	0,50	200
1256	PS 65,0	75,0	0,10	250
4538	PS 65,0	75,0	0,15	500
1257	PS 65,0	75,0	0,20	500
1769	PS 65,0	75,0	0,30	250
4613	PS 65,0	75,0	1,00	100
4539	PS 65,0	75,0	2,00	100
1471	PS 65,0	80,0	0,10	500
1702	PS 65,0	80,0	0,20	500
1770	PS 65,0	80,0	0,25	250
1703	PS 65,0	80,0	0,30	250
1264	PS 65,0	80,0	0,50	200
4636	PS 65,0	85,0	1,70	100
1571	PS 66,0	72,0	0,50	100
1459	PS 66,0	72,0	1,00	100
2301	PS 66,0	75,0	0,30	100
1565	PS 66,0	75,0	1,00	100
2302	PS 66,0	87,5	1,50	100
1705	PS 67,0	75,0	0,10	250
1259	PS 67,0	75,0	0,15	250
1932	PS 67,0	75,0	0,20	100
1520	PS 67,0	75,0	0,50	100
1258	PS 67,0	75,0	1,00	100
1706	PS 68,0	80,0	0,10	250
1707	PS 68,0	80,0	0,15	500

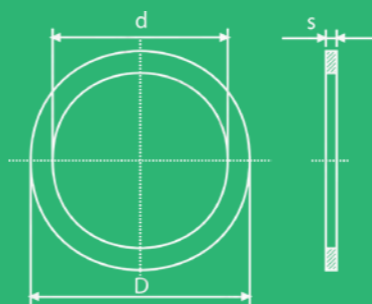
Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
4363	PS 68,0	80,0	0,20	100
1462	PS 68,0	80,0	0,30	200
1522	PS 68,0	80,0	0,50	100
1418	PS 68,0	80,0	1,00	100
1566	PS 70,0	79,7	0,15	100
1390	PS 70,0	80,0	0,10	250
1267	PS 70,0	80,0	0,15	250
1261	PS 70,0	80,0	0,20	200
1262	PS 70,0	80,0	0,30	250
1263	PS 70,0	80,0	0,50	100
1536	PS 70,0	80,0	1,00	100
4727	PS 70,0	82,0	0,20	100
4728	PS 70,0	82,0	0,30	100
4729	PS 70,0	82,0	0,50	100
1276	PS 70,0	85,0	0,10	500
1709	PS 70,0	85,0	0,25	250
1708	PS 70,0	85,0	0,30	250
1533	PS 70,0	85,0	0,50	100
1850	PS 70,0	85,0	4,50	100
4393	PS 70,0	95,0	0,30	250
4394	PS 70,0	95,0	0,50	100
1799	PS 70,2	140,0	4,00	25
1710	PS 71,0	80,0	0,10	250
4359	PS 71,0	80,0	0,15	500
1711	PS 71,0	80,0	0,30	100
1712	PS 71,0	80,0	0,50	100
1771	PS 71,0	85,0	0,10	500
1713	PS 71,0	85,0	0,15	500
1714	PS 71,0	85,0	0,30	250
1715	PS 71,0	85,0	0,50	200
1352	PS 71,0	85,0	1,00	100
2005	PS 72,0	78,0	0,20	100
1772	PS 72,0	80,0	0,10	250
1773	PS 72,0	80,0	0,30	250
1716	PS 72,0	80,0	0,40	200

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
1567	PS 72,0	80,0	0,50	100
1521	PS 72,0	80,0	1,00	100
1496	PS 72,0	80,0	2,00	50
2006	PS 72,0	87,0	0,30	100
2007	PS 72,0	87,0	0,50	100
2008	PS 72,0	87,0	1,00	100
4710	PS 72,0	89,0	0,10	500
1774	PS 72,0	90,0	0,15	500
1775	PS 72,0	90,0	0,20	1000
1776	PS 72,0	90,0	0,50	200
1777	PS 74,0	80,0	1,00	100
1907	PS 74,0	85,0	0,15	100
1908	PS 74,0	85,0	0,20	100
1778	PS 75,0	85,0	0,10	250
1266	PS 75,0	85,0	0,15	250
1265	PS 75,0	85,0	0,20	500
1568	PS 75,0	85,0	0,50	100
4589	PS 75,0	85,0	1,00	100
1391	PS 75,0	85,0	2,00	50
2303	PS 75,0	87,0	0,30	100
1204	PS 75,0	90,0	0,10	500
1206	PS 75,0	90,0	0,15	500
1463	PS 75,0	90,0	0,30	250
1268	PS 75,0	90,0	0,50	100
1504	PS 75,0	90,0	1,00	100
4397	PS 75,0	90,0	2,00	100
2304	PS 75,0	95,0	1,80	100
1717	PS 76,0	90,0	0,10	500
1779	PS 76,0	90,0	0,15	500
1780	PS 76,0	90,0	0,20	250
1718	PS 76,0	90,0	0,30	250
1719	PS 76,0	90,0	0,50	200
1531	PS 76,0	90,0	1,00	100
1781	PS 78,0	90,0	1,00	100
1782	PS 79,0	90,0	0,20	500

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
4468	PS 79,0	90,0	0,30	250
1720	PS 80,0	90,0	0,10	200
1721	PS 80,0	90,0	0,15	500
1419	PS 80,0	90,0	0,20	250
1722	PS 80,0	90,0	0,25	250
1205	PS 80,0	90,0	0,30	100
1510	PS 80,0	90,0	0,50	100
1353	PS 80,0	90,0	1,00	100
4405	PS 80,0	90,0	1,50	100
1848	PS 80,0	90,5	0,50	100
1271	PS 80,0	93,2	0,10	500
1273	PS 80,0	93,2	0,15	500
1272	PS 80,0	93,2	0,50	100
4348	PS 80,0	94,0	0,30	100
1550	PS 80,0	94,8	0,10	100
1551	PS 80,0	94,8	0,25	100
1552	PS 80,0	94,8	0,50	100
1786	PS 80,0	95,0	0,10	500
1569	PS 80,0	95,0	0,15	100
4718	PS 80,0	95,0	0,30	100
1537	PS 80,0	95,0	0,50	100
4719	PS 80,0	95,0	1,00	100
1549	PS 80,0	95,0	1,50	100
1851	PS 80,0	95,0	4,50	100
4703	PS 80,0	100,0	1,10	100
4706	PS 80,0	100,0	3,50	50
4449	PS 80,0	135,0	0,10	100
1177	PS 80,0	140,0	3,00	50
1178	PS 80,0	140,0	4,00	50
2306	PS 81,0	90,0	0,15	100
1354	PS 81,0	95,0	0,10	500
2307	PS 81,0	95,0	0,15	100
1787	PS 81,0	95,0	0,30	250
2308	PS 81,0	95,0	0,40	100
1505	PS 81,0	95,0	0,50	100

Sonderpassscheiben ähnl. DIN 988 oder nach Zeichnung

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Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
1541	PS 81,0	95,0	1,00	100
1278	PS 81,0	101,0	1,00	100
1723	PS 82,0	90,0	0,10	500
1788	PS 82,0	90,0	0,30	500
1553	PS 82,0	90,0	0,50	100
1554	PS 82,0	90,0	1,00	100
4383	PS 83,0	90,0	0,30	250
1274	PS 85,0	95,0	0,10	250
1275	PS 85,0	95,0	0,50	100
1506	PS 85,0	95,0	1,00	100
1286	PS 85,0	100,0	0,10	250
1725	PS 85,0	100,0	0,15	500
1726	PS 85,0	100,0	0,30	250
1727	PS 85,0	100,0	0,50	100
1508	PS 85,0	100,0	1,00	100
1852	PS 85,0	100,0	4,50	100
1929	PS 85,0	110,0	0,20	100
2110	PS 85,5	94,5	0,10	500
1728	PS 86,0	100,0	0,10	500
1789	PS 86,0	100,0	0,15	500
2310	PS 87,0	95,0	0,20	100
1813	PS 87,0	142,0	3,00	50
2099	PS 88,0	95,0	0,10	500
2098	PS 88,0	95,0	0,15	500
2060	PS 88,0	95,0	0,30	250
1931	PS 88,0	95,0	0,50	100
1930	PS 88,0	95,0	1,00	100
1425	PS 88,0	100,0	0,10	500
1426	PS 88,0	100,0	0,15	250
1534	PS 88,0	100,0	0,50	100
4560	PS 88,0	100,0	1,00	100
4654	PS 88,0	100,0	2,00	50
1885	PS 88,0	104,0	0,10	100
4426	PS 89,0	99,0	0,10	100
1429	PS 90,0	100,0	0,10	100

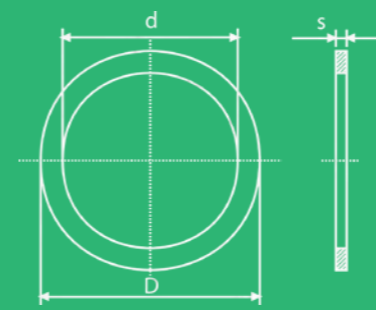
Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
1538	PS 90,0	100,0	0,20	100
4459	PS 90,0	100,0	0,30	100
1524	PS 90,0	100,0	0,50	100
1277	PS 90,0	100,0	1,00	100
1802	PS 90,0	100,0	2,00	50
1282	PS 90,0	105,0	0,10	500
1729	PS 90,0	105,0	0,15	500
1283	PS 90,0	105,0	0,30	250
1284	PS 90,0	105,0	0,50	100
1285	PS 90,0	105,0	1,00	100
1730	PS 94,0	110,0	0,10	250
1559	PS 94,0	110,0	0,30	100
1395	PS 94,0	110,0	0,50	100
1558	PS 94,0	110,0	1,00	100
1269	PS 95,0	110,0	0,10	500
1289	PS 95,0	110,0	0,15	500
1240	PS 95,0	110,0	0,30	250
1905	PS 95,0	110,0	0,40	100
1360	PS 95,0	110,0	0,50	100
1288	PS 95,0	110,0	1,00	100
1853	PS 95,0	110,0	2,00	100
2311	PS 95,0	110,0	3,50	50
1790	PS 96,0	110,0	0,10	250
1791	PS 96,0	110,0	0,15	250
1561	PS 96,0	110,0	0,50	100
2312	PS 97,0	110,0	0,10	100
2313	PS 97,0	110,0	0,15	100
1361	PS 99,0	115,0	0,10	500
1362	PS 99,0	115,0	0,30	100
1298	PS 99,0	115,0	1,00	100
1732	PS 100,0	110,0	0,10	500
1733	PS 100,0	110,0	0,30	250
1539	PS 100,0	110,0	0,50	100
4606	PS 100,0	110,0	1,00	100
4447	PS 100,0	110,0	2,00	50

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
1279	PS 100,0	112,5	0,10	500
1731	PS 100,0	112,5	0,15	250
1292	PS 100,0	112,5	0,30	250
1473	PS 100,0	115,0	0,10	100
1210	PS 100,0	115,0	0,15	250
1296	PS 100,0	115,0	0,20	100
2011	PS 100,0	120,0	3,00	100
1300	PS 102,0	120,0	0,10	500
1366	PS 102,0	120,0	0,15	250
1535	PS 103,0	120,0	0,50	100
1804	PS 102,0	130,0	3,50	50
2208	PS 103,0	120,0	0,30	250
1295	PS 105,0	115,0	0,10	100
1822	PS 105,0	115,0	0,15	100
1512	PS 105,0	115,0	0,20	100
1891	PS 105,0	115,0	0,25	100
4656	PS 105,0	115,0	0,30	250
1297	PS 105,0	115,0	0,50	100
1335	PS 105,0	115,0	1,00	100
1481	PS 105,0	120,0	0,10	500
4574	PS 105,0	120,0	0,15	250
1396	PS 105,0	120,0	0,20	250
4580	PS 105,0	120,0	0,30	250
1523	PS 105,0	120,0	0,50	100
1572	PS 105,0	120,0	1,00	100
1312	PS 105,0	125,0	0,10	100
1430	PS 105,0	125,0	0,30	250
1573	PS 105,0	125,0	0,50	100
4565	PS 105,0	130,0	1,50	100
1314	PS 105,0	130,0	2,00	100
1434	PS 106,0	120,0	0,30	250
4386	PS 106,0	120,0	0,50	100
2209	PS 108,0	120,0	0,40	100
4520	PS 108,0	125,0	0,10	250
4521	PS 108,0	125,0	0,15	250

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
4522	PS 108,0	125,0	0,30	250
1311	PS 108,0	125,0	0,50	100
1287	PS 108,0	125,0	1,00	100
4730	PS 110,0	120,0	0,10	100
2036	PS 110,0	120,0	0,19	200
1299	PS 110,0	120,0	0,50	100
1307	PS 110,0	125,0	0,10	250
4513	PS 110,0	125,0	0,15	250
4519	PS 110,0	125,0	0,20	250
1291	PS 110,0	125,0	0,30	250
4514	PS 110,0	125,0	0,50	100
4515	PS 110,0	125,0	1,00	100
2212	PS 110,0	128,5	0,10	250
2213	PS 110,0	128,5	0,30	250
2214	PS 110,0	128,5	0,50	100
1197	PS 110,0	130,0	0,10	100
1290	PS 110,0	130,0	0,20	100
1437	PS 110,0	130,0	0,30	100
1465	PS 110,0	130,0	0,50	100
4506	PS 110,0	130,0	1,00	100
4493	PS 110,0	130,0	2,00	100
1854	PS 110,0	135,0	5,50	100
1974	PS 110,0	140,0	1,50	100
1164	PS 110,0	145,0	0,10	100
1165	PS 110,0	145,0	0,30	100
1166	PS 110,0	145,0	0,50	100
4655	PS 112,0	120,0	0,15	100
1734	PS 112,0	125,0	0,10	200
1308	PS 112,0	125,0	0,30	100
1431	PS 112,0	125,0	0,50	200
1323	PS 112,0	130,0	0,15	100
1304	PS 112,0	130,0	0,50	100
1811	PS 112,0	140,0	2,00	50
1735	PS 115,0	125,0	0,10	250
4643	PS 115,0	125,0	0,30	250

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Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
1736	PS 115,0	125,0	0,50	100
1474	PS 115,0	125,0	1,00	100
1317	PS 115,0	130,0	0,10	250
1475	PS 115,0	130,0	0,15	500
1293	PS 115,0	130,0	0,30	100
1336	PS 115,0	130,0	0,50	100
1540	PS 115,0	130,0	1,00	100
1855	PS 115,0	130,0	3,00	100
1328	PS 115,0	145,0	0,10	500
1329	PS 115,0	145,0	0,30	100
1330	PS 115,0	145,0	0,50	100
2215	PS 116,0	124,0	0,30	100
2216	PS 116,0	124,0	0,50	100
2217	PS 116,0	124,0	1,00	100
1483	PS 116,0	130,0	0,10	100
1574	PS 117,0	130,0	0,20	100
1575	PS 117,0	130,0	0,30	100
1856	PS 120,0	135,0	0,10	100
1294	PS 120,0	140,0	0,10	250
1738	PS 120,0	140,0	0,20	100
1739	PS 120,0	140,0	0,30	250
1857	PS 120,0	140,0	2,00	100
4463	PS 120,0	145,0	0,30	250
1911	PS 120,0	150,0	0,40	100
4625	PS 120,0	150,0	1,50	100
1334	PS 120,0	150,0	2,00	100
4667	PS 120,0	180,0	0,10	100
1315	PS 121,0	130,0	0,10	250
1740	PS 122,0	140,0	0,10	250
1526	PS 122,0	140,0	0,50	100
1511	PS 122,0	140,0	1,00	100
1149	PS 124,0	140,0	0,70	100
4510	PS 125,0	135,0	0,50	100
4511	PS 125,0	135,0	1,00	100
1325	PS 125,0	140,0	0,10	250

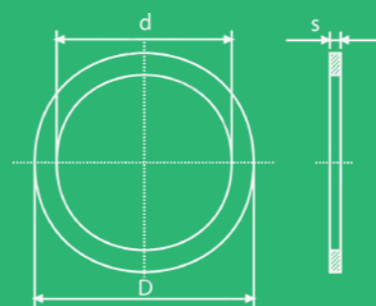
Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
1476	PS 125,0	140,0	0,15	250
4469	PS 125,0	140,0	0,20	100
1310	PS 125,0	140,0	0,30	250
1324	PS 125,0	140,0	0,50	100
1153	PS 125,0	140,0	0,70	100
4470	PS 125,0	140,0	1,00	100
1858	PS 125,0	140,0	2,00	100
1309	PS 125,0	145,0	0,10	200
1168	PS 125,0	145,0	0,15	200
1899	PS 125,0	145,0	0,25	100
2015	PS 125,0	150,0	5,50	120
1838	PS 126,0	144,0	0,60	100
1384	PS 126,0	160,0	0,50	100
1881	PS 127,0	139,5	0,10	100
1882	PS 127,0	139,5	0,20	100
1883	PS 127,0	139,5	0,30	100
1884	PS 127,0	139,5	0,40	100
1397	PS 130,0	140,0	0,20	100
1509	PS 130,0	140,0	1,00	100
1914	PS 130,0	142,0	0,10	100
4607	PS 130,0	145,0	0,10	250
4609	PS 130,0	145,0	0,20	100
4746	PS 130,0	145,0	0,30	250
4608	PS 130,0	145,0	0,50	100
4509	PS 130,0	145,0	1,00	100
1915	PS 130,0	145,0	2,00	100
1169	PS 130,0	149,5	0,10	250
1741	PS 130,0	149,5	0,15	150
1742	PS 130,0	149,5	0,20	250
1743	PS 130,0	149,5	0,50	250
1744	PS 130,0	150,0	0,30	250
2220	PS 130,0	150,0	0,40	100
1555	PS 130,0	150,0	0,50	100
1333	PS 130,0	150,0	1,00	100
1859	PS 130,0	150,0	3,00	100

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
4355	PS 130,0	160,0	1,35	100
4354	PS 130,0	160,0	1,70	100
1960	PS 130,0	170,0	0,20	100
1959	PS 130,0	170,0	0,50	100
2221	PS 132,0	150,0	0,10	50
2222	PS 132,0	150,0	0,20	50
4614	PS 132,0	150,0	0,30	250
2051	PS 133,4	150,0	0,15	250
2050	PS 133,4	150,0	0,30	250
1833	PS 133,4	150,0	1,00	100
1316	PS 135,0	150,0	0,15	100
4598	PS 135,0	150,0	0,30	100
1420	PS 139,0	160,0	0,30	250
1421	PS 139,0	160,0	0,50	100
1745	PS 140,0	150,0	0,10	250
1477	PS 140,0	150,0	0,30	250
1432	PS 140,0	160,0	0,10	100
1560	PS 140,0	160,0	0,15	100
1340	PS 140,0	160,0	0,40	100
4615	PS 140,0	160,0	1,00	100
1860	PS 140,0	160,0	2,00	100
1861	PS 140,0	160,0	3,00	100
2016	PS 145,0	170,0	5,50	120
2224	PS 147,0	160,0	0,15	100
2225	PS 147,0	160,0	0,40	100
4376	PS 148,0	160,0	0,30	250
4388	PS 150,0	170,0	0,10	100
1348	PS 150,0	170,0	0,30	100
4389	PS 150,0	170,0	0,50	100
2227	PS 150,0	177,0	0,10	100
2228	PS 150,0	177,0	0,50	100
1182	PS 150,0	190,0	0,50	100
1916	PS 151,0	169,0	0,10	100
1746	PS 152,0	170,0	0,10	250
1270	PS 152,0	170,0	0,15	250

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
1337	PS 152,0	170,0	0,50	100
1399	PS 152,0	170,0	1,00	100
1562	PS 155,0	170,0	0,10	100
1513	PS 155,0	170,0	0,20	100
1563	PS 155,0	170,0	0,30	100
1806	PS 155,0	170,0	3,00	50
4603	PS 155,0	180,0	0,20	250
4602	PS 155,0	180,0	0,30	250
4601	PS 155,0	180,0	0,50	100
1902	PS 155,0	184,0	1,00	100
1546	PS 158,0	170,0	0,50	100
1478	PS 160,0	180,0	0,10	500
4745	PS 160,0	180,0	0,15	250
1479	PS 160,0	180,0	0,30	250
1906	PS 160,0	180,0	0,40	100
1416	PS 160,0	180,0	0,50	100
4429	PS 160,0	180,0	1,00	100
1971	PS 160,0	240,0	0,10	100
1972	PS 160,0	240,0	0,30	100
4370	PS 162,0	180,0	3,50	25
1748	PS 165,0	180,0	0,10	250
1862	PS 165,0	180,0	2,50	100
1863	PS 165,0	180,0	3,00	100
1831	PS 165,0	190,0	1,00	100
1864	PS 170,0	190,0	0,10	100
1865	PS 170,0	190,0	0,20	100
1879	PS 170,0	190,0	0,30	100
1880	PS 170,0	190,0	0,40	100
1349	PS 170,0	190,0	0,50	100
1866	PS 170,0	190,0	1,00	100
1867	PS 170,0	190,0	2,00	100
2231	PS 170,0	200,0	0,40	100
4524	PS 174,0	190,0	0,10	100
1507	PS 175,0	190,0	1,00	100
1827	PS 177,2	200,0	0,50	100

Sonderpassscheiben ähnl. DIN 988 oder nach Zeichnung

Special Shim Washers similar to DIN 988
or according to Drawing



Sonderpassscheiben ähnl. DIN 988 oder nach Zeichnung

Special Shim Washers similar to DIN 988
or according to Drawing

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
1433	PS 180,0	200,0	0,10	500
1355	PS 180,0	200,0	0,30	100
1356	PS 180,0	200,0	0,40	100
1868	PS 180,0	200,0	2,00	100
2232	PS 185,0	200,0	0,15	100
2233	PS 185,0	200,0	0,40	100
1576	PS 185,0	210,0	0,10	100
1364	PS 185,0	215,0	0,10	500
1749	PS 185,0	215,0	0,30	250
1365	PS 185,0	215,0	0,50	100
4462	PS 185,0	215,0	1,00	100
1869	PS 185,0	215,0	5,50	100
1359	PS 190,0	210,0	0,20	100
4666	PS 190,0	210,0	0,30	100
1870	PS 190,0	210,0	3,00	100
1232	PS 190,0	215,0	0,10	100
2234	PS 190,0	221,0	0,10	50
2235	PS 190,0	221,0	1,00	50
4644	PS 195,0	210,0	1,00	100
2236	PS 195,0	215,0	0,25	100
2237	PS 195,0	220,0	0,10	50
2238	PS 195,0	220,0	0,20	50
2239	PS 195,0	220,0	0,50	50
2240	PS 195,0	220,0	1,00	50
1750	PS 195,0	225,0	0,10	150
1825	PS 200,0	220,0	0,20	100
1527	PS 200,0	225,0	0,10	100
1514	PS 200,0	225,0	0,15	100
1515	PS 200,0	225,0	0,30	100
1516	PS 200,0	225,0	0,50	100
1871	PS 200,0	225,0	4,00	100
4611	PS 200,0	230,0	0,30	100
1872	PS 200,0	240,0	0,20	100
4418	PS 200,0	240,0	0,50	100
4379	PS 200,0	240,0	1,00	100

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
1873	PS 200,0	240,0	5,00	100
2241	PS 200,0	259,0	0,10	50
2242	PS 200,0	259,0	0,20	50
1797	PS 205,0	225,0	0,40	10
2243	PS 210,0	309,0	0,10	100
2244	PS 210,0	309,0	0,15	100
2245	PS 210,0	309,0	0,40	100
4536	PS 212,5	233,0	0,30	100
4535	PS 212,5	233,0	0,50	100
4537	PS 212,5	233,0	1,00	100
1958	PS 215,0	240,0	0,20	100
1306	PS 215,0	240,0	0,50	100
1957	PS 215,0	240,0	1,00	100
1874	PS 215,0	240,0	3,50	100
2247	PS 216,0	240,0	0,10	100
2248	PS 216,0	240,0	0,15	100
2249	PS 216,0	240,0	0,40	100
1368	PS 220,0	240,0	0,10	100
1369	PS 220,0	240,0	0,20	100
1367	PS 220,0	240,0	0,30	100
4597	PS 220,0	240,0	0,50	100
1371	PS 220,0	250,0	0,10	100
1900	PS 220,0	250,0	0,15	100
1556	PS 220,0	250,0	0,30	100
1378	PS 220,0	250,0	0,50	100
4530	PS 224,0	240,0	0,10	100
4531	PS 224,0	240,0	0,30	100
2017	PS 225,0	250,0	0,20	130
4585	PS 225,0	250,0	2,00	1
2251	PS 230,0	250,0	0,15	100
1751	PS 230,0	250,0	0,50	200
2252	PS 230,0	260,0	0,15	100
2253	PS 230,0	260,0	0,20	100
1820	PS 230,0	260,0	0,50	100
2254	PS 230,0	309,0	0,10	100

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
2255	PS 230,0	309,0	0,15	100
2256	PS 230,0	309,0	0,40	100
2257	PS 240,0	260,0	0,15	100
4419	PS 240,0	260,0	0,50	100
4420	PS 240,0	260,0	1,00	50
1832	PS 240,0	270,0	0,15	100
1945	PS 240,0	270,0	0,30	100
2258	PS 240,0	270,0	0,40	100
1829	PS 240,0	310,0	0,50	100
1805	PS 240,0	310,0	1,00	50
1875	PS 250,0	280,0	0,20	100
4421	PS 250,0	280,0	0,50	100
4422	PS 250,0	280,0	1,00	50
1876	PS 250,0	280,0	5,00	100
1807	PS 250,0	300,0	0,40	50
2259	PS 250,0	344,0	0,10	100
2260	PS 250,0	344,0	0,15	100
2261	PS 250,0	344,0	0,40	100
2262	PS 260,0	280,0	0,15	100
1837	PS 260,0	280,0	0,25	100
1877	PS 260,0	280,0	3,50	100
2263	PS 265,0	290,0	0,10	100
2264	PS 265,0	290,0	0,15	100
2265	PS 265,0	290,0	0,40	100
1910	PS 267,0	290,0	0,10	100
4631	PS 270,0	290,0	0,50	100
1828	PS 270,0	300,0	0,40	100
1528	PS 275,0	310,0	0,50	100
1808	PS 290,0	300,0	0,10	50
1809	PS 290,0	300,0	0,30	50
1810	PS 290,0	300,0	0,50	50
1878	PS 290,0	310,0	5,00	100
1151	PS 290,0	320,0	0,10	100
1150	PS 290,0	320,0	0,20	100
1198	PS 297,0	320,0	0,10	100

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
2266	PS 297,0	320,0	0,15	100
2267	PS 297,0	320,0	0,40	100
2268	PS 300,0	340,0	0,40	100
4551	PS 310,0	340,0	0,15	100
4566	PS 320,0	360,0	0,10	50
4704	PS 320,0	380,0	0,40	20
2269	PS 326,0	360,0	0,40	100
2270	PS 330,0	360,0	0,10	50
1410	PS 330,0	360,0	1,00	100
2271	PS 340,0	380,0	0,40	100
2277	PS 370,0	400,0	0,10	100
2278	PS 375,0	420,0	0,40	100
1796	PS 380,0	420,0	0,40	10
2279	PS 390,0	420,0	0,40	100
2283	PS 415,0	460,0	0,40	100
2284	PS 430,0	480,0	0,40	100

Sonderpassscheiben ähnl. DIN 988 oder nach Zeichnung

Special Shim Washers similar to DIN 988
or according to Drawing



Sonderstützscheiben ähnl. DIN 988 oder nach Zeichnung

Special washers similar to DIN 988
or according to Drawing

Stärkentoleranzen PS Thickness Tolerance

Nennmaßbereich (mm)	s (mm)
Norminal size (mm)	s (mm)
0,1 - 0,15	-0,03
0,2 - 0,25	-0,04
0,3 - 2,5	-0,05
3,0 - 3,5	-0,06

Durchmessertoleranzen PS Diameter Tolerance

Artikel-Nr.	d (mm)	D (mm)
Article No.	d (mm)	D (mm)
über 3 - 6	-0,030	+0,150
	-0,150	+0,030
über 6 - 10	-0,040	+0,190
	-0,190	+0,040
über 10 - 18	-0,050	+0,230
	-0,230	+0,050
über 18 - 30	-0,065	+0,275
	-0,275	+0,065
über 30 - 50	-0,080	+0,330
	-0,330	+0,080
über 50 - 80	-0,100	+0,400
	-0,400	+0,100
über 80 - 120	-0,120	+0,470
	-0,470	+0,120
über 120 - 180	-0,145	+0,545
	-0,545	+0,145
über 180 - 250	-0,170	+0,630
	-0,630	+0,170



Dies stellt lediglich einen Auszug
aus unserem Angebot an
Sonderabmessungen dar. Wir
fertigen auch individuell nach
Zeichnung. Bitte kontaktieren Sie
uns für weitere Informationen und
Anfragen.

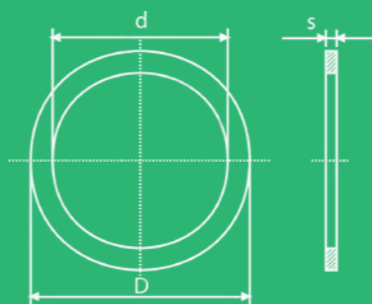
This is only a small sample of our
custom dimensions. We also
manufacture parts based on
drawings. Please feel free to
contact us for further information
or inquiries.

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
1018	SS 4,0	8,0	0,50	5000
1016	SS 4,0	16,0	0,20	5000
1017	SS 4,0	16,0	0,30	5000
2561	SS 6,0	18,0	0,20	1000
2562	SS 6,0	18,0	0,30	1000
1079	SS 6,0	18,0	0,50	1000
1046	SS 6,2	11,0	0,20	2000
1117	SS 8,0	14,0	0,25	2000
1118	SS 8,0	14,0	2,50	500
1119	SS 8,0	20,0	0,10	1000
2564	SS 8,0	20,0	0,20	1000
4693	SS 8,0	20,0	0,30	2000
1120	SS 8,0	20,0	0,50	1000
811	SS 10,0	16,0	0,80	1000
812	SS 10,0	22,0	0,10	1000
813	SS 10,0	22,0	0,20	1000
4640	SS 10,0	22,0	0,30	1000
817	SS 10,0	22,0	0,50	1000
829	SS 11,0	17,0	0,50	1000
835	SS 12,0	18,0	1,50	500
836	SS 12,0	18,0	2,00	500
2543	SS 12,0	24,0	0,10	1000
838	SS 12,0	24,0	0,20	1000
840	SS 12,0	24,0	0,30	1000
2544	SS 12,0	24,0	0,50	1000
850	SS 12,0	19,0	2,00	100
857	SS 14,0	20,0	1,20	100
859	SS 14,0	25,0	0,10	1000
2545	SS 14,0	26,0	0,10	1000
860	SS 14,0	26,0	0,20	1000
861	SS 14,0	26,0	0,30	1000
862	SS 14,0	26,0	0,50	1000
868	SS 15,0	19,0	1,50	500
869	SS 15,0	21,0	0,20	2000
871	SS 15,0	21,0	0,50	1000

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
872	SS 15,0	21,0	1,00	1000
873	SS 15,0	21,0	2,00	1000
879	SS 16,0	22,0	0,50	1000
880	SS 16,0	22,0	1,00	1000
881	SS 16,0	28,0	0,10	500
882	SS 16,0	28,0	0,20	500
883	SS 16,0	28,0	0,30	1000
884	SS 16,0	28,0	0,50	500
886	SS 16,0	30,0	1,00	500
4553	SS 17,0	22,0	1,50	500
888	SS 17,0	60,0	4,00	100
2546	SS 18,0	30,0	0,10	100
2547	SS 18,0	30,0	0,20	1000
894	SS 18,0	30,0	0,30	1000
895	SS 18,0	30,0	0,50	1000
4486	SS 19,0	26,0	0,50	1000
898	SS 19,0	29,0	1,50	500
899	SS 19,0	36,0	1,00	500
900	SS 19,0	36,0	2,00	250
904	SS 20,0	26,0	0,20	1000
905	SS 20,0	26,0	0,50	1000
906	SS 20,0	28,0	1,00	500
907	SS 20,0	28,0	2,50	500
908	SS 20,0	28,0	3,00	100
909	SS 20,0	28,0	4,00	100
910	SS 20,0	28,0	5,00	100
911	SS 20,0	32,0	0,10	1000
912	SS 20,0	32,0	0,20	1000
913	SS 20,0	32,0	0,30	1000
914	SS 20,0	32,0	0,50	1000
4726	SS 20,0	32,0	2,00	100
902	SS 20,5	28,0	3,00	100
2549	SS 22,0	34,0	0,10	1000
2550	SS 22,0	34,0	0,20	1000
928	SS 22,0	34,0	0,20	1000

Sonderstützscheiben ähnl. DIN 988 oder nach Zeichnung

Special washers similar to DIN 988
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Sonderstützscheiben ähnl. DIN 988 oder nach Zeichnung

Special washers similar to DIN 988
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Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
2551	SS 22,0	34,0	0,50	1000
921	SS 22,5	27,0	0,50	1000
933	SS 24,0	32,0	1,50	500
2552	SS 24,0	36,0	0,10	1000
934	SS 24,0	36,0	2,00	250
935	SS 25,0	30,0	2,00	250
936	SS 25,0	30,0	5,00	250
938	SS 25,0	33,0	2,00	200
939	SS 25,0	35,0	0,30	1000
940	SS 25,0	35,0	2,00	500
941	SS 25,0	45,0	2,50	100
942	SS 26,0	30,0	1,90	250
943	SS 26,0	30,0	1,93	250
944	SS 26,0	30,0	1,95	250
4377	SS 26,0	34,0	0,50	500
946	SS 26,0	38,0	0,10	500
947	SS 26,0	38,0	0,20	500
2553	SS 26,0	38,0	0,30	1000
948	SS 26,0	38,0	0,50	100
949	SS 26,0	42,0	3,00	250
2554	SS 28,0	40,0	0,50	500
952	SS 29,0	35,0	2,00	250
956	SS 30,0	35,0	2,00	50
957	SS 30,0	35,0	2,50	50
958	SS 30,0	36,0	2,50	50
959	SS 30,0	38,0	2,50	50
960	SS 30,0	39,0	2,50	50
961	SS 30,0	42,0	0,10	100
2555	SS 30,0	42,0	0,20	100
962	SS 30,0	42,0	0,50	1000
963	SS 30,0	42,0	2,00	100
964	SS 30,0	42,0	4,00	25
965	SS 30,0	42,0	5,00	50
966	SS 30,0	50,0	2,50	50
967	SS 30,0	65,0	3,50	50

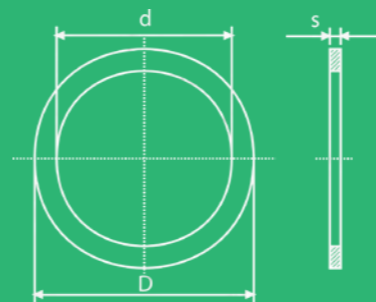
Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
2556	SS 32,0	44,0	0,10	1000
970	SS 32,0	44,0	0,30	1000
2557	SS 32,0	44,0	0,50	1000
972	SS 34,0	40,0	2,00	100
973	SS 34,0	46,0	0,50	100
974	SS 35,0	40,0	0,10	1000
975	SS 35,0	40,0	2,00	50
976	SS 35,0	42,0	1,00	100
977	SS 35,0	42,0	2,50	50
978	SS 35,0	50,0	2,00	100
979	SS 35,0	50,0	2,50	50
980	SS 35,0	55,0	1,00	100
981	SS 35,0	55,0	3,00	50
982	SS 36,0	42,0	0,30	300
983	SS 36,0	42,0	2,50	1000
984	SS 36,0	45,0	3,00	50
4592	SS 38,0	50,0	0,50	100
988	SS 40,0	45,0	2,50	50
989	SS 40,0	47,0	2,50	50
990	SS 40,0	50,0	2,00	50
991	SS 40,0	50,0	3,00	50
2558	SS 40,0	52,0	0,10	1000
992	SS 40,0	52,0	0,30	100
993	SS 40,0	52,0	0,50	100
2559	SS 41,0	47,0	2,50	500
995	SS 42,0	51,0	2,50	50
997	SS 42,0	52,0	3,00	50
1001	SS 45,0	50,0	3,00	50
1002	SS 45,0	52,0	2,10	50
1003	SS 45,0	52,0	2,15	50
1004	SS 45,0	52,0	2,35	50
1005	SS 45,0	52,0	2,50	50
1006	SS 45,0	55,0	2,50	50
1007	SS 45,0	57,0	0,20	500
1008	SS 45,0	57,0	0,30	200

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
1009	SS 45,0	57,0	0,50	250
1010	SS 45,0	62,0	3,00	50
1012	SS 45,0	65,0	4,00	25
1013	SS 45,0	72,0	0,00	50
1015	SS 48,0	55,0	3,00	25
1023	SS 50,0	58,0	3,00	50
1024	SS 50,0	60,0	3,00	50
1026	SS 50,0	62,0	0,20	100
1027	SS 50,0	62,0	0,30	250
1028	SS 50,0	62,0	2,50	50
1030	SS 50,0	65,0	3,00	50
1031	SS 50,0	75,0	2,50	50
1034	SS 53,0	62,0	3,00	50
1035	SS 53,0	63,0	3,00	50
1036	SS 54,0	62,0	3,00	50
1037	SS 55,0	62,0	3,00	25
1039	SS 55,0	68,0	4,00	50
1040	SS 56,0	62,0	3,00	50
1042	SS 56,0	72,0	3,25	25
1043	SS 56,0	72,0	3,50	50
1044	SS 57,0	68,0	3,00	50
1045	SS 59,0	72,0	3,00	50
1051	SS 60,0	65,0	2,00	50
1052	SS 60,0	67,0	3,00	50
1053	SS 60,0	68,0	3,00	50
1054	SS 60,0	70,0	3,00	50
1056	SS 60,0	72,0	0,20	500
2560	SS 60,0	72,0	0,50	100
1057	SS 60,0	72,0	2,50	50
1059	SS 60,0	84,0	3,00	50
1048	SS 60,5	80,0	2,00	50
1060	SS 62,0	72,0	1,00	100
1061	SS 62,0	72,0	3,00	50
1062	SS 63,0	72,0	2,00	100
1064	SS 63,0	72,0	3,00	50

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
1065	SS 63,0	75,0	3,00	50
1066	SS 63,0	80,0	2,00	50
1067	SS 63,0	80,0	2,50	25
1070	SS 65,0	75,0	3,00	100
1071	SS 65,0	75,0	3,50	25
1072	SS 65,0	80,0	3,50	25
1073	SS 66,0	80,0	3,00	50
1074	SS 67,0	74,0	0,30	100
1075	SS 68,0	80,0	3,00	25
1076	SS 68,0	85,0	3,50	50
1077	SS 69,0	80,0	3,00	50
1080	SS 70,0	80,0	0,10	250
1081	SS 70,0	80,0	0,30	250
1082	SS 70,0	80,0	0,40	250
1083	SS 70,0	80,0	0,50	100
1084	SS 70,0	80,0	2,00	50
1085	SS 70,0	80,0	2,50	100
1086	SS 70,0	80,0	3,00	50
1088	SS 70,0	82,0	3,50	25
1089	SS 70,0	85,0	3,50	50
1090	SS 70,0	87,0	3,50	25
1091	SS 70,0	90,0	3,00	50
1093	SS 71,0	85,0	3,50	25
1094	SS 75,0	85,0	3,50	50
1095	SS 75,0	88,0	3,50	25
1096	SS 75,0	90,0	0,50	100
1097	SS 75,0	90,0	3,00	50
1098	SS 75,0	90,0	3,50	50
1099	SS 75,0	95,0	3,00	50
1100	SS 76,0	85,0	3,50	25
1101	SS 76,0	90,0	3,50	25
1102	SS 78,0	98,0	3,50	50
1103	SS 79,0	90,0	3,50	25
1108	SS 80,0	90,0	3,50	50
1109	SS 80,0	95,0	3,50	50

Sonderstützscheiben ähnl. DIN 988 oder nach Zeichnung

Special washers similar to DIN 988
or according to Drawing



Sonderstützscheiben ähnl. DIN 988 oder nach Zeichnung

Special washers similar to DIN 988
or according to Drawing

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
1107	SS 80,0	100,0	3,00	50
2563	SS 81,0	90,0	3,50	50
1111	SS 81,0	95,0	3,50	50
1110	SS 81,0	100,0	3,50	25
4646	SS 85,0	95,0	3,50	50
1113	SS 85,0	100,0	3,50	25
1114	SS 86,0	95,0	3,50	50
1115	SS 88,0	100,0	3,50	50
1116	SS 88,0	120,0	2,90	50
1124	SS 90,0	100,0	3,50	50
1125	SS 90,0	105,0	3,50	50
1126	SS 90,0	107,0	3,50	50
1127	SS 94,0	110,0	3,50	25
1128	SS 95,0	110,0	3,50	25
1129	SS 95,0	112,0	3,50	25
1132	SS 95,0	120,0	3,50	25
1133	SS 96,0	110,0	3,50	50
1135	SS 99,0	115,0	3,50	50
800	SS 100,0	110,0	3,50	25
801	SS 100,0	112,0	0,15	500
802	SS 100,0	115,0	3,50	25
803	SS 100,0	120,0	1,00	50
804	SS 102,0	120,0	0,50	100
806	SS 105,0	120,0	3,50	50
807	SS 105,0	125,0	3,50	50
808	SS 106,0	120,0	3,50	20
809	SS 108,0	125,0	3,50	50
819	SS 110,0	120,0	3,50	50
821	SS 110,0	125,0	3,50	50
822	SS 110,0	130,0	3,50	50
4523	SS 110,0	135,0	3,50	50
4557	SS 110,0	140,0	1,50	100
823	SS 112,0	135,0	3,50	50
824	SS 112,0	140,0	2,00	50
826	SS 115,0	130,0	3,50	50

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
827	SS 115,0	145,0	3,50	50
828	SS 118,0	130,0	3,50	50
830	SS 120,0	130,0	3,50	25
831	SS 120,0	140,0	3,50	25
832	SS 122,0	140,0	3,50	50
833	SS 125,0	140,0	3,50	50
834	SS 125,0	145,0	3,50	50
844	SS 130,0	140,0	3,00	50
845	SS 130,0	140,0	3,50	50
846	SS 130,0	145,0	2,00	50
847	SS 130,0	145,0	3,50	50
4502	SS 130,0	150,0	3,50	25
848	SS 135,0	150,0	3,50	25
849	SS 135,0	165,0	3,50	25
854	SS 140,0	150,0	0,10	250
855	SS 145,0	170,0	3,50	25
856	SS 148,0	160,0	3,50	50
863	SS 150,0	170,0	3,50	50
864	SS 150,0	175,0	3,50	25
865	SS 152,0	170,0	2,00	50
866	SS 152,0	170,0	3,50	50
867	SS 157,0	180,0	3,50	25
877	SS 160,0	180,0	3,50	25
878	SS 165,0	180,0	3,50	50
891	SS 180,0	200,0	3,50	25
892	SS 185,0	210,0	3,50	20
893	SS 185,0	215,0	2,00	25
896	SS 190,0	210,0	3,50	25
897	SS 190,0	220,0	3,50	25
903	SS 200,0	225,0	5,00	10
2548	SS 209,0	225,0	3,50	50
915	SS 210,0	240,0	4,50	10
916	SS 215,0	240,0	5,00	10
922	SS 220,0	240,0	3,50	25
924	SS 220,0	250,0	3,50	20

Artikel-Nr.	d (mm)	D (mm)	s (mm)	
Article No.	d (mm)	D (mm)	s (mm)	
925	SS 224,0	240,0	3,50	10
930	SS 230,0	260,0	3,50	10
932	SS 240,0	270,0	3,50	10
950	SS 270,0	290,0	3,50	10

Stärkentoleranzen PS Thickness Tolerance

Nennmaßbereich (mm)	s (mm)
Norminal size (mm)	s (mm)
0,10 - 0,15	-0,03
0,20 - 0,25	-0,04
0,30 - 2,50	-0,05
3,00 - 3,50	-0,06
3,50	-0,08

Durchmessertoleranzen PS Diameter Tolerance

Artikel-Nr.	d (mm)	D (mm)
Article No.	d (mm)	D (mm)
über 3 - 6	-0,030	+0,150
	-0,150	+0,030
über 6 - 10	-0,040	+0,190
	-0,190	+0,040
über 10 - 18	-0,050	+0,230
	-0,230	+0,050
über 18 - 30	-0,065	+0,275
	-0,275	+0,065
über 30 - 50	-0,080	+0,330
	-0,330	+0,080
über 50 - 80	-0,100	+0,400
	-0,400	+0,100
über 80 - 120	-0,120	+0,470
	-0,470	+0,120
über 120 - 180	-0,145	+0,545
	-0,545	+0,145
über 180 - 250	-0,170	+0,630
	-0,630	+0,170



Dies stellt lediglich einen Auszug aus unserem Angebot an Sonderabmessungen dar. Wir fertigen auch individuell nach Zeichnung. Bitte kontaktieren Sie uns für weitere Informationen und Anfragen.

This is only a small sample of our custom dimensions. We also manufacture parts based on drawings. Please feel free to contact us for further information or inquiries.

Schnellbefestiger

Quick-lock-washers

- RPCOT und RPCT Montagewerkzeug
- RPT
- RPCO Schnellbefestiger
- RPCOR Schnellbefestiger
- RPC Schnellbefestiger
- RPCB Schnellbefestiger

- RPCOT and RPCT Quick-lock-washer assembly tool
- RPT Round push on fixes
- RPCO Quick-lock-washer with Clamp
- RPCOR Quick-lock-washer with Clamp
- RPC Quick-lock-washer dome capped
- RPCOB Quick-lock-washer dome capped



RPCOT und RPCT Montagewerkzeug

RPCOT and RPCT
Quick-lock-washer assembly tool



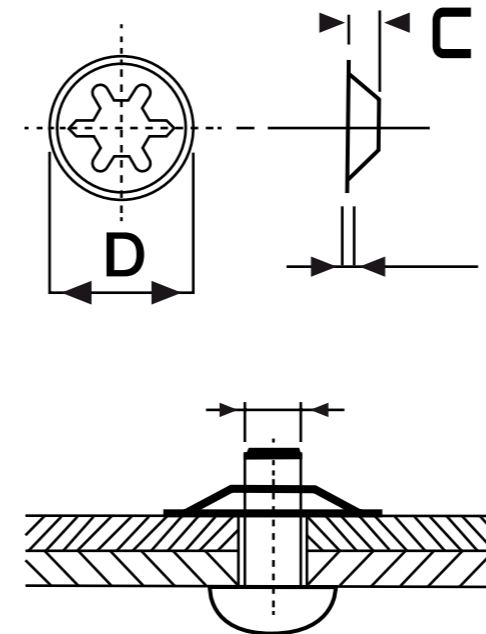
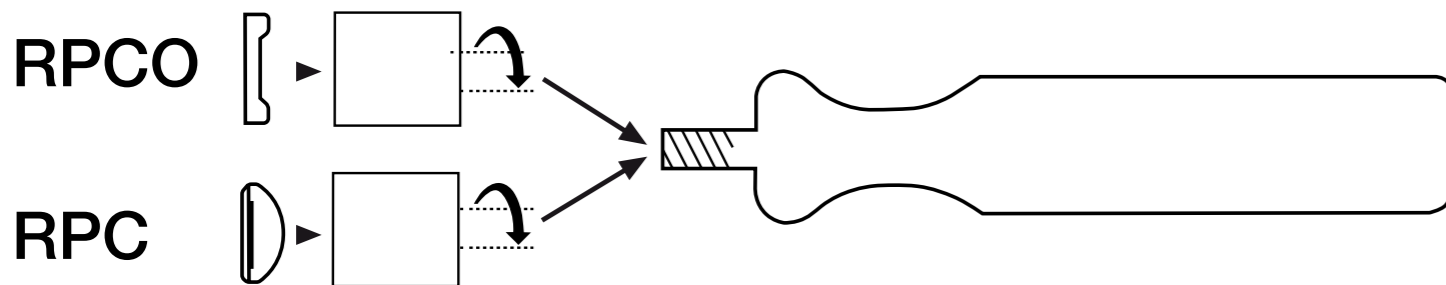
RPT

RPT - Round push on fixes

RPCOT- Montagewerkzeug RPCOT - Quick-lock-washer assembly tool					
Artikel-Nr.	für Schnellbefestiger				
Article No.	useable for Quick-lock-washer				
2520	M 3	9,00	0,00-0,00	1	
4964	M 3	11,00	0,00-0,00	1	
4965	M 3	15,00	0,00-0,00	1	
4966	M 3	18,00	0,00-0,00	1	
4967	M 3	25,00	0,00-0,00	1	
4968	M 3	28,00	0,00-0,00	1	
4969	M 3	36,00	0,00-0,00	1	
4970	M 3	41,00	0,00-0,00	1	

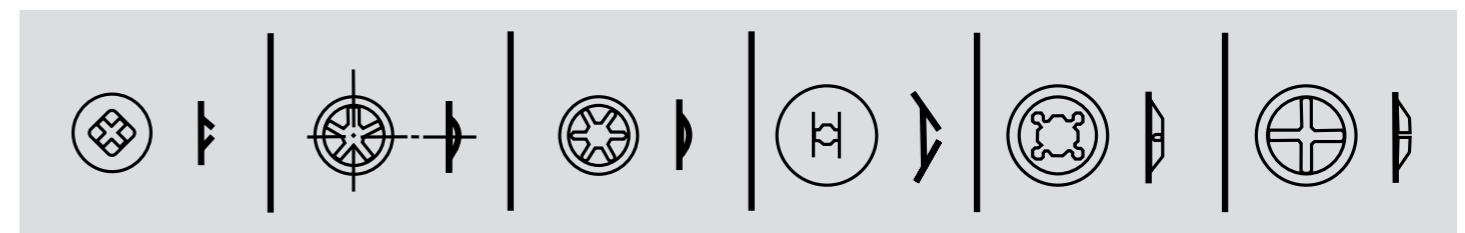
RPCT- Montagewerkzeug RPCT - Quick-lock-washer assembly tool					
Artikel-Nr.	für Schnellbefestiger				
Article No.	useable for Quick-lock-washer				
2521	M 4	12,00	0,00-0,00	1	
4971	M 4	16,00	0,00-0,00	1	
4972	M 4	20,00	0,00-0,00	1	
4973	M 4	27,00	0,00-0,00	1	
4974	M 4	30,00	0,00-0,00	1	
4975	M 4	39,00	0,00-0,00	1	

Artikel-Nr.	Ø Schaft	D	S	C	Form	
Article No.	Ø Shaft	D	S	C	Shape	
2523	1,5	6,5	0,20	0,8	1	25000
2524	3,0	10,5	0,30	1,3	2	25000
4838	3,2	10,5	0,30	1,1	2	25000
4839	3,0	34,0	0,30	2,0	1	25000
2526	3,5	10,5	0,30	1,1	2	25000
2528	4,0	12,0	0,30	1,3	2	25000
2530	4,8	19,3	0,35	3,4	4	12500
4840	5,0	15,1	0,30	1,7	5	12500
2533	5,0	19,3	0,35	3,4	4	12500
2535	5,0	22,0	0,40	2,9	6	12500
2537	5,5	15,0	0,50	2,5	2	12500
2539	6,0	16,0	0,40	1,7	3	12500
4841	6,0	22,0	0,50	2,9	6	12500



Artikeloberfläche: RPT xxxx.
 - unbehandelt, brüniert (z. B. RPT 2.050.15)
 - B - weiss verzinkt 7 µm (z. B. RPT 2.050.15B)
 - T - gelb verzinkt plated 7 µm (z. B. RPT 2.050.15T)
 - C - verchromt 7 µm (z. B. RPT 2.050.15C)

Surface Treatments: RPT xxxx.:
 - none-self finish and oiled (example RPT 2.050.15)
 - B - white zinc plated 7 µm (example RPT 2.050.15B)
 - T - yellow zinc plated 7 µm (example RPT 2.050.15T)
 - C - chromiting 7 µm (example RPT 2.050.15C)



RPCO - Schnellbefestiger

RPCO - Quick-lock-washer with Clamp



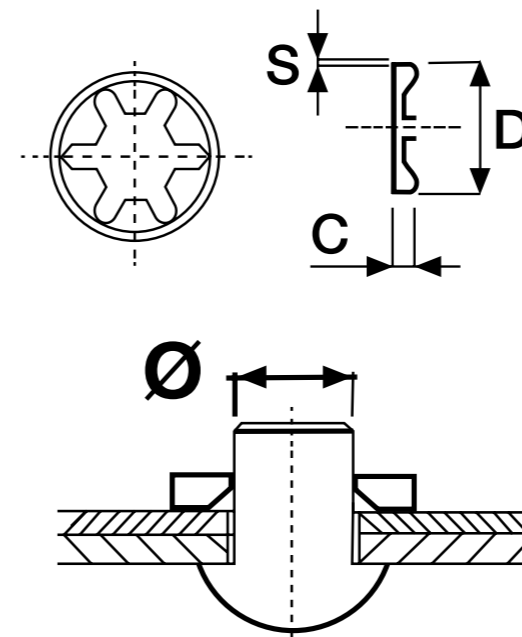
Artikel-Nr.		Ø Schaft	D	S	C	axialer Druck allowable load (Newton)	
Article No.		Ø Shaft	D	S	C		
2384		2,0	9,0	0,20	1,3	200	5000
2387		2,5	9,0	0,20	1,3	200	5000
2389		3,0	9,0	0,20	1,3	200	5000
2393		3,0	10,9	0,20	1,3	200	5000
2395	Rostfrei	3,1	9,00	0,20	1,3	100	5000
2397		3,2	9,00	0,20	1,3	100	5000
2399	Rostfrei	4,0	10,9	0,20	1,3	100	5000
2403		4,0	11,5	0,20	1,3	400	5000
2406		4,0	15,0	0,30	1,5	400	5000
2408		5,0	10,9	0,20	1,3	600	5000
2412		5,0	11,5	0,20	1,3	600	5000
2415		5,0	15,0	0,30	1,6	500	5000
2417		6,0	15,0	0,30	1,6	800	5000
2418	Rostfrei	6,0	15,0	0,25	1,6	400	5000
2423		6,0	20,5	0,30	2,0	800	5000
2425		6,5	15,0	0,25	1,6	800	5000
2427		7,0	15,0	0,30	1,6	800	5000
2431		8,0	15,0	0,30	1,6	1000	5000
2432		8,0	15,0	0,40	1,6	1000	5000
2437		8,0	20,5	0,30	2,0	1000	5000
2440		9,0	18,0	0,30	2,1	1000	5000
2443		9,5	18,0	0,30	2,1	1000	5000
2446		10,0	18,0	0,30	2,1	1100	5000
2450		10,5	18,0	0,30	2,1	1100	2500
2452		11,0	18,0	0,30	2,1	1200	2500
2453	Rostfrei	11,0	18,0	0,30	2,1	800	2500
2456		12,0	25,0	0,40	3,0	2500	2500
2460		13,0	25,0	0,40	3,0	2500	1000
2464		13,8	25,0	0,40	3,0	2500	1000
2466		14,0	25,0	0,40	3,0		1000
2470		15,0	28,0	0,40	2,8	2500	1000
2475		16,0	25,0	0,40	2,5	2500	1000
2478		16,0	28,0	0,40	2,8	2500	1000
2481		17,0	28,0	0,40	2,8	2500	1000
2485		18,0	28,0	0,40	2,6	3500	1000

RPCO - Schnellbefestiger

RPCO - Quick-lock-washer with Clamp



Artikel-Nr.		Ø Schaft	D	S	C	axialer Druck allowable load (Newton)	
Article No.		Ø Shaft	D	S	C		
2487		18,0	36,2	0,40	3,0	3500	1000
2489		19,0	36,2	0,40	3,0	3500	1000
4623		20,0	32,2	0,40	3,0	3500	1000
2491		20,0	36,2	0,40	3,0	3500	1000
2494		21,0	36,2	0,40	3,0	3500	1000
2496		22,0	36,2	0,40	3,0	3700	1000
2499		24,0	36,2	0,40	3,0		1000
2500		24,0	41,2	0,50	3,3	4500	1000
2503		25,0	41,2	0,50	3,3	5000	1000
2506		28,0	44,0	0,50	4,3		1000
2508		28,0	50,0	0,50	4,3		1000
2510		30,0	44,0	0,50	4,3		1000
2512		30,0	50,0	0,50	4,3		1000
2514		31,0	50,0	0,50	4,3		500
2516		32,0	44,0	0,50	4,3		500
2518		32,0	50,0	0,50	4,3		500



Artikeloberfläche: RPCO xxxx.

- unbehandelt , brüniert (z. B. RPCO 3.100.18)
- B - weiss verzinkt 7 µm Cr3 (z. B. RPCO 3.100.18B)
- BM - gelb verzinkt 7 µm Cr3 (z. B. RPCO 3.100.18BM)
- C - verchromt 7 µm Cr3 (z. B. RPCO3.100.18C)
- F - phosphatiert (z. B. RPCO3.100.18.F)

Surface Treatments: RPCO xxxx.

- none-self finish and oiled (example RPCO 3.100.18)
- B - white zinc plated 7 µm Cr3 (example RPCO 3.100.18B)
- BM - yellow zinc plated 7 µm Cr3 (example RPCO 3.100.18BM)
- C - chromiting 7 µm Cr3 (example RPCO 3.100.18C)
- F - phosfatate (example RPCO 3.100.18.F)

RPCOR - Schnellbefestiger

RPCOR - Quick-lock-washer with Clamp

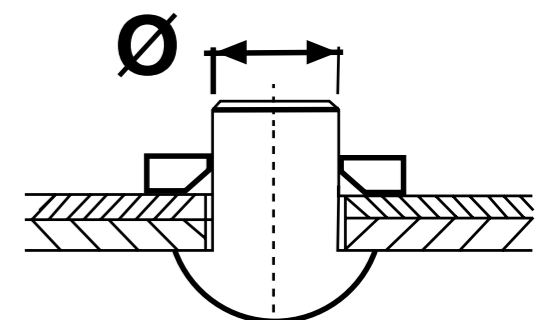
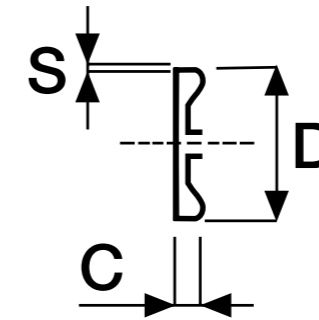
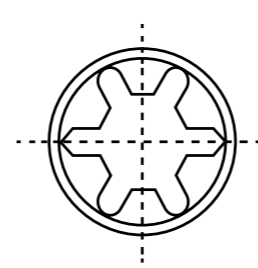


RPCOR - Schnellbefestiger

RPCOR - Quick-lock-washer with Clamp



Artikel-Nr.	Ø Schaft	D	S	C	
Article No.	Ø Shaft	D	S	C	
4920	3,0	9,0	0,20	1,3	5000
4921	3,0	10,9	0,20	1,3	5000
4922	4,0	10,9	0,20	1,3	5000
4923	5,0	10,9	0,20	1,3	5000
4924	6,0	15,0	0,30	1,6	5000
4925	6,0	20,5	0,30	2,0	5000
4926	6,5	15,0	0,25	1,6	5000
4927	7,0	15,0	0,30	1,6	5000
4928	8,0	15,0	0,30	1,6	5000
4929	8,0	20,5	0,30	2,0	5000
4930	9,0	18,0	0,30	2,1	5000
4931	9,5	18,0	0,30	2,1	5000
4932	10,0	18,0	0,30	2,1	5000
4933	11,0	18,0	0,30	2,1	5000
4935	12,0	25,0	0,40	3,0	5000
4936	13,0	25,0	0,40	3,0	5000
4937	14,0	25,0	0,40	3,0	5000
4938	15,0	28,0	0,40	2,8	5000
4939	16,0	25,0	0,35	2,5	5000
4940	16,0	28,0	0,40	2,8	5000
4941	17,0	28,0	0,40	2,8	5000
4942	18,0	28,0	0,40	2,8	5000
4943	20,0	36,1	0,40	3,0	5000
4944	21,0	36,1	0,40	3,0	5000
4945	22,0	36,1	0,40	3,0	5000
4946	24,0	41,2	0,50	3,3	5000
4947	25,0	41,2	0,50	3,3	5000
4949	28,0	44,0	0,50	4,0	5000
4950	28,0	50,0	0,50	4,0	5000
4951	30,0	44,0	0,50	4,0	5000
4952	30,0	50,0	0,50	4,0	5000
4953	32,0	44,0	0,50	4,0	5000
4954	32,0	50,0	0,50	4,0	5000



Artikeloberfläche: RPCOR xxxx.

- unbehandelt , brüniert (z. B. RPCOR 6.100.18)
- B - weiss verzinkt 7 µm Cr3 (z. B. RPCOR 6.100.18B)
- BM - mechanisch verzinkt 7 µm Cr3 (z. B. RPCOR 6.100.18BM)
- C - verchromt 7 µm Cr3 (z. B. RPCOR 6.100.18C)
- F - phosphatiert (z. B. RPCOR 6.100.18F)
- T - verzinkt gelb 7 µm Cr3 (z. B. RPCOR 6.100.18T)

Surface Treatments: RPCOR xxxx.

- none-self finish and oiled (example RPCOR 6.100.18)
- B - white zinc plated 7 µm Cr3 (example RPCOR 6.100.18B)
- BM - yellow zinc plated 7 µm Cr3 (example RPCOR 6.100.18BM)
- C - chromiting 7 µm Cr3 (example RPCOR 6.100.18C)
- F - phosphatate (example RPCOR 6.100.18F)
- T - yellow zinc plated 7 µm Cr3 (example RPCOR 6.100.18T)



RPC - Schnellbefestiger

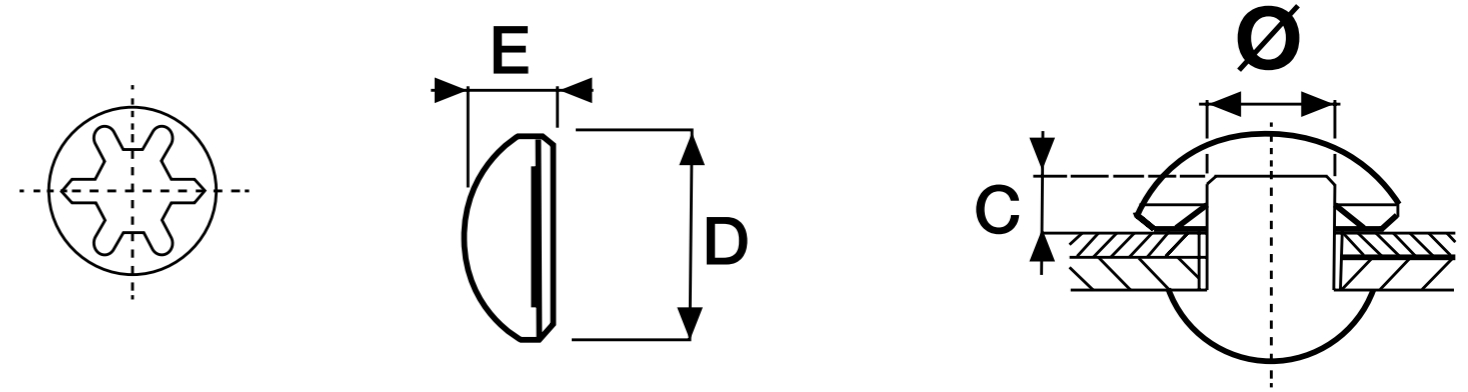
RPC - Quick-lock-washer dome capped



RPC - Schnellbefestiger

RPC - Quick-lock-washer dome capped

Artikel-Nr.	Ø Schaft	D	S	C	axialer Druck	
Article No.	Ø Shaft	D	S	C	allowable load (Newton)	
2314	3,0	11,8	4,20	3,0	400	10000
2317	4,0	11,8	4,20	3,0	600	10000
2322	5,0	11,8	4,20	3,0		10000
2328	5,0	15,9	5,70	4,0	500	10000
2331	6,0	15,9	5,70	4,0	800	10000
2336	6,5	15,9	5,70	4,0	900	5000
2338	7,0	15,9	5,70	4,0	1000	5000
2341	8,0	15,9	5,70	4,0	1000	5000
2347	9,0	19,5	7,10	4,5	1000	5000
2349	9,5	19,5	7,10	4,5	1100	5000
2352	10,0	19,5	7,10	4,5	1200	5000
2356	11,0	19,5	7,10	4,5	2500	5000
2358	12,0	26,7	9,40	6,0		2000
2361	13,0	26,7	9,40	6,0	2500	2000
2363	14,0	26,7	9,40	6,0	2500	2000
2365	15,0	29,6	9,70	6,0	2500	2000
2367	16,0	29,6	9,70	6,0	2500	2000
2370	17,0	29,6	9,70	6,0	3500	2000
2371	18,0	29,6	9,70	6,0		2000
2372	19,0	38,7	10,00	6,0	3500	1000
2373	20,0	38,7	10,00	6,0	3500	1000
2376	21,0	38,7	10,00	6,0	3700	1000
2377	22,0	38,7	10,00	6,0		1000
2379	24,0	43,0	12,80	7,0		1000
2380	25,0	43,0	12,80	7,0		1000



Artikeloberfläche: RPC xxxx.

- weiß verzinkt + Kappe vernickelt (z. B. RPC 4.050.12)
- G - brüniert + Kappe vernickelt (z. B. RPC 4.050.12G)
- B - weiß verzinkt + Kappe weiß verzinkt (z. B. RPC 4.050.12B)
- FI - Rostfrei AISI 301(1.4310) + Kappe vernickelt (z. B. RPC 4.050.12.FI)
- CI - weiß verzinkt + Kappe AISI 304 (1.4301) (z. B. RPC 4.050.12.CI)
- I - AISI 301 (1.4310) + Kappe AISI 304 (1.4301) (z. B. RPC 4.050.12I)

Surface Treatments: RPC xxxx.

- white zinc plated + cap nicheled (example RPC 4.050.12)
- G - oiled + cap nicheled (example RPC 4.050.12G)
- B - white zinc plated + cap white zinc plated (example RPC 4.050.12B)
- FI - stainless AISI 301(1.4310) + cap nicheled (example RPC 4.050.12.FI)
- CI - white zinc plated + cap AISI 304 (1.4301) (example RPC 4.050.12.CI)
- I - AISI 301 (1.4310) + cap AISI 304 (1.4301) (example RPC 4.050.12I)

RPCB - Schnellbefestiger



RPCB - Quick-lock-washer dome capped

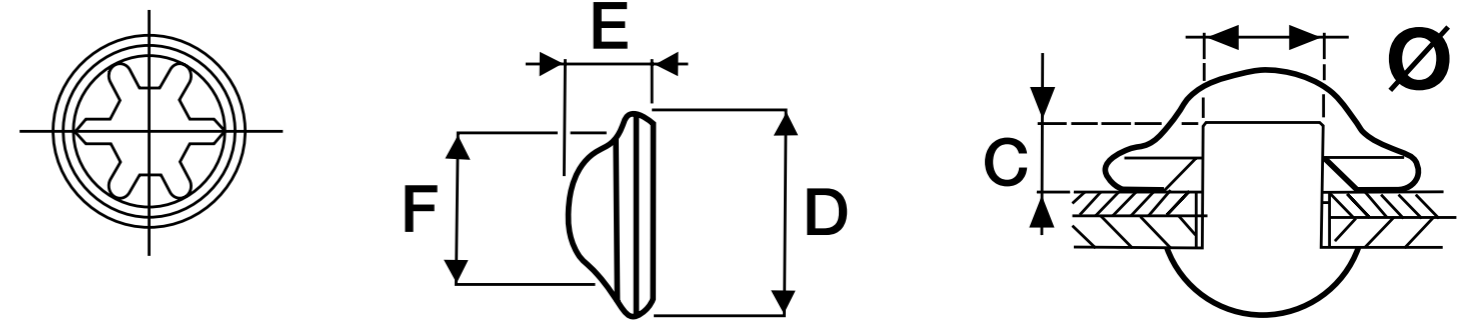


RPCB - Schnellbefestiger

RPCB - Quick-lock-washer dome capped



Artikel-Nr.	Ø Schaft	D	S	C	axialer Druck	
Article No.	Ø Shaft	D	S	C	allowable load (Newton)	
4976	3,0	12,1	4,0	2,5	200	5000
4977	4,0	12,1	4,0	2,5	400	5000
4978	5,0	12,1	4,0	2,5	600	5000
4979	4,0	16,0	5,0	4,0		5000
4980	5,0	16,0	5,0	4,0	600	5000
4981	6,0	16,0	5,0	4,0	800	5000
4982	6,5	16,0	5,0	4,0	800	5000
4983	7,0	16,0	5,0	4,0	900	5000
4984	8,0	16,0	5,0	4,0	1000	5000
4985	9,0	19,7	7,0	4,0	1000	5000
4986	9,5	19,7	7,0	4,0	1000	5000
4987	10,0	19,7	7,0	4,0	1100	5000
4988	11,0	19,7	7,0	4,0	1200	5000



Artikeloberfläche: RPCB xxxx.

- weiß verzinkt + Kappe vernickelt (z. B. RPCB 5.060.16)
- G - brüniert + Kappe vernickelt (z. B. RPCB 5.060.16G)
- B - weiß verzinkt + Kappe weiß verzinkt (z. B. RPCB 5.060.16B)
- FI - Rostfrei AISI 301(1.4310) + Kappe vernickelt (z. B. RPCB5.060.16FI)

Surface Treatments: RPCB xxxx.

- white zinc plated + cap nicheled (example RPCB 5.060.16)
- G - oiled + cap nicheled (example. RPCB 5.060.16G)
- B - white zinc plated + cap whithe zinc plated (example RPCB 5.060.16B)
- FI - stainless AISI 301(1.4310) + cap nicheled (example RPCB5.060.16FI)

