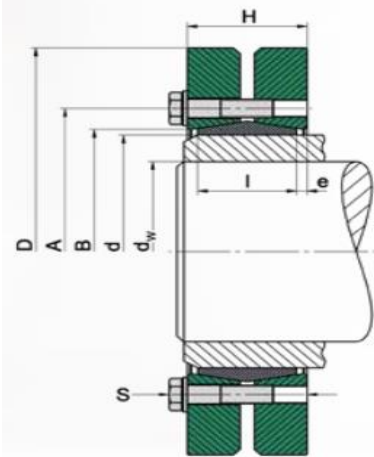


3071 1.4122 3-parts (stainless)



Used symbols (使用される記号)

d	[mm]	Nominal diameter of the shrink disc (シュリンクディスク内径)
d _w	[mm]	Shaft diameter (軸径)
M _{max}	[mm]	Maximal transmittable torque (伝達トルク)
D	[mm]	Outer diameter (シュリンクディスク外径)
ℓ	[mm]	Length of the bush (内輪高さ)
e	[mm]	Excess length (余長 (約))
H	[mm]	Width of the shrink disc (シュリンクディスク高さ)
A	[mm]	Pitch circle diameter (ボルトピッチ形)
B	[mm]	Attachment size (外輪 内径)
M _A	[Nm]	Tightening torque of the clamping screws (ボルト締付トルク)
Z		Number of clamping screws (ボルト数)
S		Size of the clamping screws (ボルトサイズ)
n _{max}	[min ⁻¹]	Permitted rotational frequency (最大許容回転数)
P _N	[N/mm ²]	Moderate pressure to the hub (中空軸 面圧 (中間値))
I	[kgm ²]	Moment of inertia (慣性モーメント)

Design of the shrink disc (シュリンクディスクのデザイン)

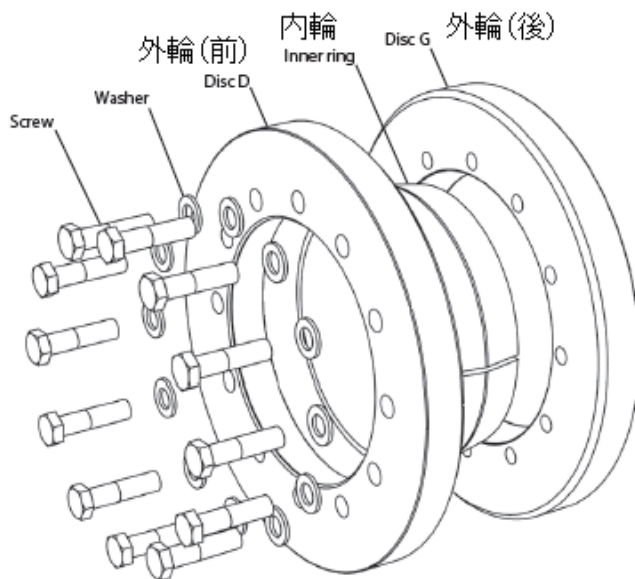
d < 115	without washers
d ≥ 115	with washers

Hexagon head bolts are used as standard. (六角ボルトが標準ですが、六角穴付きも指示いただければ、対応します。)

min. yield strength Rp0,2	N/mm ²
Solid shaft	240
Hub	290

(軸 降伏応力最小値)

(中空軸 降伏応力最小値)



カタログ番号

TAS 3071-d 1.4122 又は、

TAS 3071-d SS2

標準シャフト径dw からの派生対応領域			
dw径		minimal	maximal
>	≤	-	+
mm	mm	mm	mm
10	30	-1	1
30	50	-3	2
50	140	-5	5
140	180	-10	5
180	320	-15	10
320	500	-20	10
500	700	-30	20
700	820	-40	20

$$M = M_{max (Catalog)} \left(\frac{d_w (target)}{d_w (Catalog)} \right)^2$$

(see Basics - Calculation)

《寸法性能表》

d	dW	Mmax	D	ℓ	e	H	A	B	M _A	Z	S	DIN	Class	η _{max}	P _N	I	Weight
mm	mm	Nm	mm	mm	mm	mm	mm	mm	Nm	Stk				min-1	N/mm ²	kgm ²	kg
14	11	24	37	9	1.5	12	24	15	2.4	3	M4x10	933	A4-K80	15400	223	0.00001	0.07
16	13	54	41	12	1.5	15	27	17	4.2	3	M5x12	933	A4-K80	13900	213	0.00003	0.11
18	15	74	43	12	1.5	15	29	19	3.3	4	M5x12	933	A4-K80	13300	198	0.00003	0.12
20	17	140	48	14	2.75	19.5	34	24	3.9	5	M5x18	933	A4-K80	11900	226	0.00006	0.19
21	18	160	48	14	2.75	19.5	34	24	3.9	5	M5x18	933	A4-K80	11900	215	0.00006	0.18
22	19	150	48	14	2.75	19.5	36	26	3.6	5	M5x18	933	A4-K80	11900	190	0.00006	0.18
24	20	160	50	14	2.5	19	36	26	3.3	6	M5x18	933	A4-K80	11400	191	0.00007	0.19
30	25	300	60	16	2.75	21.5	44	32	4.6	6	M5x18	933	A4-K80	9500	187	0.00017	0.3
36	30	440	72	18	2.75	23.5	52	38	8.2	5	M6x20	933	A4-K80	7900	167	0.00039	0.48
38	31	620	80	20	3	26	56	41	8.2	7	M6x25	933	A4-K80	7100	199	0.00066	0.67
40	32	500	75	19	2.75	24.5	57	43	8.2	6	M6x20	933	A4-K80	7600	170	0.00050	0.55
41	33	620	80	20	2.75	25.5	61	46	8	7	M6x20	933	A4-K80	7100	180	0.00065	0.64
44	35	640	80	20	2.75	25.5	61	47	8	7	M6x20	933	A4-K80	7100	168	0.00064	0.61
50	40	890	90	22	3	28	70	53	8.2	8	M6x25	933	A4-K80	6300	157	0.00110	0.83
55	45	1000	100	23	3.75	30.5	75	58	8.2	8	M6x25	933	A4-K80	5700	137	0.00179	1.1
62	50	1400	110	23	3.75	30.5	86	66	8.2	10	M6x25	933	A4-K80	5200	151	0.00259	1.3
68	55	1500	115	23	3.75	30.5	86	72	8.2	10	M6x25	933	A4-K80	4900	138	0.00312	1.4
75	60	2400	138	25	3.75	32.5	100	79	20	7	M8x30	933	A4-K80	4100	162	0.00709	2.3
80	65	2700	145	25	3.75	32.5	100	84	20	7	M8x30	933	A4-K80	3900	152	0.00857	2.5
90	70	4000	155	30	4.5	39	114	94	20	10	M8x35	931	A4-K80	3600	161	0.01325	3.3
100	75	4800	170	34	5	44	124	104	20	12	M8x35	931	A4-K80	3300	154	0.02140	4.4
110	80	5900	185	39	5.5	50	136	114	40	9	M10x40	931	A4-K80	3000	145	0.03474	6
115	80	6100	200	40	5	50	150	124	40	10	M10x40	931	A4-K80	2800	150	0.04857	7.3
120	85	10400	200	40	5	50	150	124	40	10	M10x40	931	A4-K80	2800	144	0.048	7
125	90	8600	215	42	6	54	160	134	40	12	M10x40	931	A4-K80	2600	158	0.067	8.7
140	100	11800	230	46	7.25	60.5	175	146	68	10	M12x45	931	A4-K80	2400	157	0.100	11
155	110	15800	265	50	7.25	64.5	192	165	68	12	M12x50	931	A4-K80	2100	156	0.189	16
165	120	25200	290	56	7.5	71	210	175	166	8	M16x55	931	A4-K80	1900	175	0.306	22
175	130	27800	300	56	7.5	71	220	185	166	8	M16x55	931	A4-K80	1900	165	0.347	23