

DISC SPRING WASHERS FOR FLANGE APPLICATIONS

RESSORT DISQUE POUR BRIDES



Stock sizes in stainless steel

SPEC flange discs are designed to compensate for thermal expansion and mechanical shock associated with bolted joints. Typical applications include valves, pipe connections, pump connections and compression joints. These washers have had their set removed during manufacture.

Material

Stainless steel

Commercial – Type 17-7 PH

Maximum application temperature for 17-7 is 570°F (300°C).

Certificate of chemical analysis available at extra cost.

Stacked disc washers

Additional load or deflection can be obtained by the stacking of discs in series or parallel. See the standard line of disc spring washers for information on stacking of disc washers.

Load tolerances

Load tolerances are plus or minus 20.0% of the values shown.

Dimensions standard en acier inoxydable

Les disques à bride SPEC sont conçus pour compenser la dilatation thermique et l'impact mécanique associés aux joints boulonnés. Les applications types comprennent les valves, les raccords de tuyaux, les raccords de pompes et les joints de compression. Toute déformation de ces rondelles a été éliminée lors de la fabrication.

Matériau

Acier inoxydable

Commercial - Type 17-7 PH

Température d'application maximale pour 17-7° de 300°C.

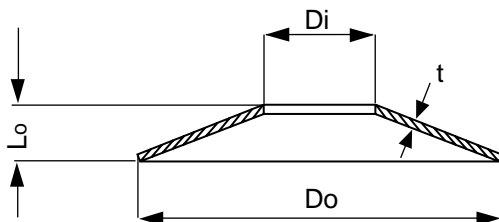
Certificat d'analyse chimique disponible contre supplément.

Ressorts disque empilés

Une charge ou une flexion supplémentaire peut être obtenue en empilant les disques en série ou en parallèle. Se reporter à la ligne standard de ressorts disque pour toute information concernant l'empilage.

Tolérances de charge

Les tolérances de charge font plus ou moins 20,0% des valeurs indiquées.



Di = Inside diameter (Min)

Do = Outside diameter (Max)

t = Thickness

Lo = Approx Free Height

P = Cal Load flat. Newton

Do = Diamètre extérieur

Di = Diamètre intérieur

t = Epaisseur

Lo = Hauteur libre approximative

P = Charge à plat

DISC SPRING WASHERS FOR FLANGE APPLICATIONS

Part No.	Free fit bolt or rod diameter mm	Di Internal Dia (min) mm	Do Outside Dia (max) mm	Stock thickness mm	Lo Free Height (Approx) mm	Calculated torque to flat N/M	P Calculated load at flat position N	Price Group
B0714-080-S	10	9.91	18.14	2.03	2.18	11	5338	Q
B0820-080-S	11	11.48	20.83	2.03	2.46	31	12455	O
B0900-089-S	12	13.08	22.86	2.26	2.54	26	9340	U
B1145-125-S	16	16.66	29.08	3.18	3.63	95	26688	W
B1365-131-S	20	19.84	34.67	3.33	3.81	95	22685	X
B1585-160-S	22	23.01	40.26	4.06	4.57	153	11580	X
B1805-168-S	26	26.21	45.85	4.27	4.95	211	18250	BV
B2020-187-S	29	29.36	51.31	4.75	5.51	294	47150	BZ
B2240-190-S	32	32.54	56.90	4.83	5.72	324	46700	BZ
B2450-250-S	35	35.71	62.23	6.35	7.37	780	102300	CD
B2680-250-S	38	38.89	68.07	6.35	7.37	705	84500	CD
B2950-262-S	42	42.85	74.93	6.65	7.80	799	88960	CG
B3170-281-S	45	46.02	80.52	7.14	8.36	989	102300	CJ
B3380-300-S	48	49.20	85.85	7.62	8.97	1301	124550	CK
B3600-318-S	52	52.37	91.44	8.08	9.53	1518	142340	CK
B4040-356-S	58	58.72	102.62	9.04	10.62	2168	173470	POR
B4470-394-S	64	65.07	113.54	10.01	11.79	2981	213500	POR

METRIC DISC SPRING WASHERS FOR FLANGE APPLICATIONS

Part No.	Free fit bolt or rod diameter mm	Di Internal Dia (min) mm	Do Outside Dia (max) mm	Stock thickness mm	Lo Free Height (Approx) mm	Calculated torque to flat N/M	P Calculated load at flat position N	Price Group
B15-125-S	8	8.4	15	1.25	1.7	9.5	6000	M
B15-200-S	8	8.4	15	2	2.3	30	17000	M
B18-200-S	10	10.4	18	2	2.3	24	11000	R
B22-230-S	12	12.4	22	2.3	2.6	34	13000	M
B25-250-S	14	14.4	25	2.5	2.95	56	18000	M
B36-400-S	20	20.8	36	4	4.6	190	43000	X
B43-400-S	24	24.8	43	4	4.8	200	39000	BX
B49-430-S	27	27.8	49	4.3	5	240	40000	BZ
B54-480-S	30	30.8	54	4.8	5.6	275	42000	CB
B68-640-S	36	36.8	68	6.4	7.5	725	92000	CJ
B70-640-S	39	39.8	70	6.4	7.5	725	91000	POR