

Shrink Disc

Type SD 603 - Three Part

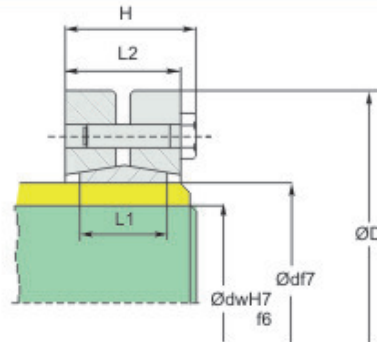


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Size	d	D	H	L1	L2	Shaft diameter dw	Transmissible Torque or axial force		Clamping screws		Weight Kg.
							M Nm	F kN	Size	Tightening torque Ms Nm	
SD-75	75	138	36	25	31	55 60 65	2450 3200 3950	90 100 120	M8	30	2.4
SD-80	80	145	36	25	31	60 65 70	3200 3900 4600	100 120 130	M8	30	2.6
SD-90	90	155	43	30	38	65 70 75	4750 6000 7250	140 170 190	M8	30	3.4
SD-100	100	170	48	34	43	70 75 80	6000 7500 9000	180 200 200	M8	30	4.5
SD-110	110	185	55	39	50	75 80 85	7200 9000 10800	190 220 240	M10	59	6.1
SD-115	115	185	55	39	49	80 85 90	8500 9300 11300	210 210 250	M10	59	6.0
SD-120	120	215	57	42	51	80 85 90	10500 12100 14400	260 280 320	M10	59	9.2
SD-125	125	215	57	42	51	85 90 95	11000 13000 15000	250 280 210	M10	59	8.9
SD-130	130	215	57	42	51	90 98 100	12000 14400 17000	260 300 340	M10	59	8.5
SD-140	140	230	67	46	59	95 100 105	15200 17800 20200	310 340 380	M12	100	10.9
SD-155	155	265	71	50	63	105 110 115	22000 25000 28000	380 410 450	M12	100	16.2
SD-160	160	265	71	50	63	110 115 120	25000 28000 31000	390 430 470	M12	100	15.6
SD-165	165	290	80	56	70	115 120 125	31500 35600 39000	540 590 620	M16	250	22.0
SD-170	170	290	80	56	70	120 125 130	31700 35800 40000	520 570 610	M16	250	21.4

Size	d	D	H	L1	L2	Shaft diameter dw	Transmissible Torque or axial force		Clamping screws		Weight Kg.
							M Nm	F kN	Size	Tightening torque Ms Nm	
SD-175	175	300	80	56	70	125 130 135	40000 44000 48000	550 590 640	M16	250	23.0
SD-180	180	300	80	56	70	130 135 140	44700 48100 52700	560 600 650	M16	250	22.3
SD-185	185	330	95	71	85	135 140 145	55200 60600 65400	720 780 830	M16	250	35.3
SD-190	190	330	95	71	85	140 145 150	60900 66000 66200	740 790 840	M16	250	34.4
SD-195	195	350	95	71	85	140 150 155	65600 76500 81500	880 990 1040	M16	250	39.9
SD-200	200	350	95	71	85	150 155 160	78200 84900 90300	940 1000 1050	M16	250	39.0
SD-220	220	370	113	88	103	160 165 170	100000 108500 116400	1130 1190 1240	M16	250	51.0
SD-240	240	405	120	92	107	170 180 190	120000 138000 156000	1400 1530 1640	M20	490	63.0
SD-260	260	430	132	103	119	190 200 210	164500 184500 204500	1690 1840 1940	M20	490	79.0
SD-280	280	460	146	114	133	210 220 230	217000 245000 273000	2020 2180 2330	M20	490	99.0
SD-300	300	485	154	122	141	230 240 245	274000 296000 316000	2380 2460 2570	M20	490	119.0
SD-320	320	520	154	122	141	240 250 260	310000 340000 373000	2580 2720 2860	M20	490	139.0
SD-340	340	570	168	134	155	250 260 270	394500 430500 466500	3040 3160 3350	M20	490	189.0
SD-360	360	580	174	140	161	280 290 295	507500 550500 572500	3230 3410 3500	M20	490	189.0

The shaft diameters are for examples only
The specifications contained here in are subject to change without notice.

Note : Large capacity of torque transmissions also available on request.

Shrink disc are used together with gear boxes, disc coupling, flange coupling, sleeve coupling, press flywheels, clutches and composting rotor & wind turbines.

Shrink discs are selected to transmit very high torques without the use of keys, or the occurrence of fretting corrosion or backlash. Selects only those shrink disc that provide high reliability & ease of maintenance.

Reduce the shaft stress by removing key way or spline.

This new design of shrink disc is made from high alloy forged rings and is practically indestructible.

Installation:

Clean the hollow shaft bore and the shaft thoroughly to remove all dirt.

Apply a light coat of oil to the hollow shaft at the point at which the shrink disc is positioned.

Remove the wooden distance piece between flanges, which have been used for shipping purpose only.

Put the shrink disc at proper location on hollow shaft.

Tighten diametrically opposed clamping screws by hand whilst aligning the shaft coupling so that the clamping flanges lie parallel to each other.

Tighten the clamping screws clockwise with full rightening torque Ms with a torque wrench.

Tighten the clamping screws uniformly. Repeat the process until no screw turns at the full tightening torque of Ms.

Remove shrink discs

Part release the clamping screws evenly in stages in order to avoid any tilting of the clamping flanges.



Do not remove clamping screws completely from threaded bores under any circumstances, as this poses the risk of injury.


Solid shaft can be taken out of hollow shaft.

Remove the shrink disc from the hollow shaft.

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