

**MS 620**

**MS 620** - Is a Two-part external clamping set. This type of keyless coupling is commonly represented as a shrink disc. MS 620 is generally opted for to feather keyed connecting couplings. Mainly used for hollow shafts. The design of the clamping screws generates a radial force creating a friction fit between the shaft and hollow shaft; resulting in parallel transmission of torque and axial force.

**Centering** – This is self centering and hence additional hub centering is not required. This also provides good concentricity.

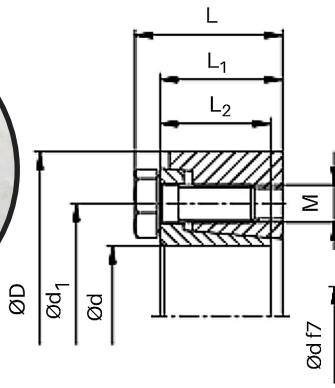
**Installation** - Clean and degrease the contact surface of the shaft and the hub or internal hollow shaft. Slightly release the screws and put the clamping set externally onto the hollow shaft/hub. Assemble the shaft before tightening the screws. Tighten the screws evenly in the diagonal sequence, i.e. opposite screws sequence until the front surface of the outer and inner rings are flush. The tightening screws mentioned should not be exceeded. The figures arrived for T and  $F_{ax}$  axial force mentioned in the table are calculated in terms of the oiled/greased assembly of the external clamping set. In case you are looking for assembly of the external set without oiling and greasing then please contact us - since the figures mentioned in the table will not be the same.

**Note** : Do not use any kind of oil or grease on the shaft and hub/Hollow shafts

**Disassembly** - The disassembly procedure is very quick and simple. All the screws need to be unscrewed evenly one by one; You may not unscrew them completely off the thread. Loosen the external taper ring in the inner ring with the forcing thread.

**Axial Displacement** - For MS 620, there is no axial displacement towards the hub while tightening of the screws.

*Note - MS 620 has ID sizes upto 700mm. Please do reach out to us or our dealers for further assistance and detailed product catalog.*



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d X D [mm]	Shaft Dia d <sub>w</sub> [mm]		Transmittable torque or axial force		Dimensions [mm]				Clamping screws DIN EN ISO 4017 - 12.9 μ <sub>total</sub> = 0.10			Surface pressure of clamping element/hollowshaft P <sub>H</sub> [N/mm <sup>2</sup> ]
	T[Nm]	F <sub>ax</sub> [kN]	L	L <sub>1</sub>	L <sub>2</sub>	d <sub>1</sub>	M	Length	z = number	T <sub>A</sub> [Nm]		
16 x 41	13	70	11	19.5	15.3	13.5	28	M6	12	3	13	254
	14	90	13									
18 x 44	15	80	11	19.5	15.3	13.5	30	M6	12	4	13	222
	16	110	14									
20 x 47	17	150	18	19.5	15.3	13.5	32	M6	12	4	13	274
	18	175	19									
24 x 50	19	165	17	22.0	18.22	16	36	M6	16	5	13	243
	20	215	22									
26 x 51.5	22	280	25	22	18.05	16	38	M6	16	5	13	238
	20	200	20									
30 x 60	24	370	33	24.0	20.26	18	44	M6	16	6	13	255
	22	260	24									
36 x 72	25	420	34	27.5	22.1	20	52	M8	20	5	30	250
	26	465	37									
38 x 72	27	480	36	27.5	22.1	20	52	M8	20	5	30	240
	30	650	43									
40 x 80	33	835	51	29.5	24.22	22	61	M8	20	6	30	209
	27	480	36									
44 x 80	30	645	43	31.5	26.1	23.5	68	M8	20	8	30	212
	33	765	46									
50 x 90	34	830	49	31.5	26.1	23.5	68	M8	20	8	30	212
	35	770	44									
55 x 100	37	880	48	34.5	29	26	72	M8	20	8	30	195
	38	1130	59									
60 x 110	40	1260	63	34.5	29.25	26	80	M8	20	9	30	191
	42	1400	67									
62 x 110	42	1300	62	34.5	29.25	26	80	M8	20	9	30	189
	45	1600	71									
68 x 115	48	1900	79	35	29.4	26	86	M8	20	9	30	206
	48	1700	71									
75 x 138	50	1900	76	37.5	30.7	27	100	M10	25	10	60	211
	55	2500	91									
80 x 141	60	3150	105	37.5	31.1	27	104	M10	25	10	60	215
	60	3400	113									
	65	4100	126									
	60	3300	110									
	65	4100	126									
	70	4950	141									