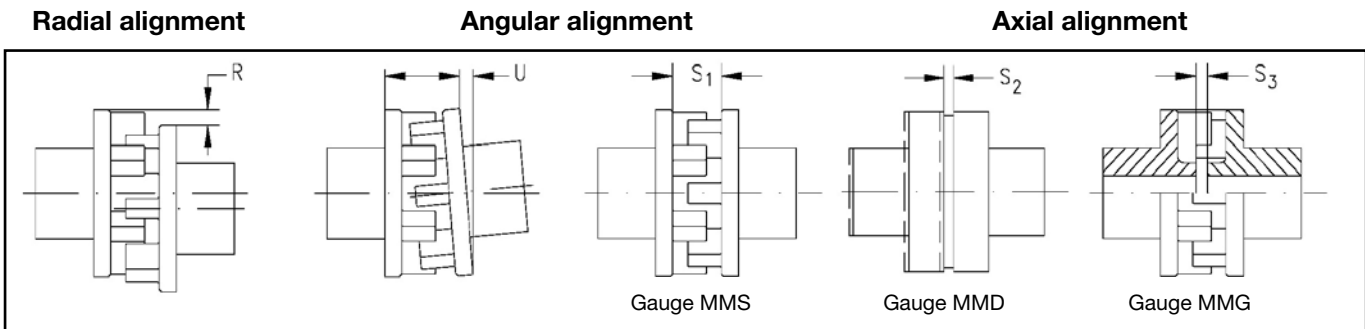


Mounting instructions and alignment tolerances

The specified alignment tolerances should only be considered as approximate values in order to keep the assembly work involved within reasonable limits and in view of the fact that the compensating capability of the coupling depends to a large extent on the rotational speeds and loads applied. Precise alignment of the coupling halves contributes to a long service life of the flexible coupling elements.



MMS Series

Size	4 ¹⁾	6,3 ¹⁾	10	16	25	40	63	100	160	250	400	630	1000	1600	2500
R_{max} [mm]	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.7	0.8	0.8
U_{max} [mm]	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.2
$S_1 \pm$ [mm]	18 ± 1	20 ± 1	17 ± 1	19 ± 1	22 ± 1	26 ± 1	30 ± 1	35 ± 1	$41^{+1.2}_{-1}$	$47^{+1.5}_{-1}$	$56^{+1.5}_{-1}$	$64^{+1.5}_{-1}$	75^{+2}_{-1}	85^{+2}_{-1}	110^{+2}_{-1}

¹⁾ applies to MMS-A

MMD Series

Size	4000	6300	10000
R_{max} [mm]	0.8	0.9	1.0
U_{max} [mm]	1.0	1.1	1.2
$S_2 \pm$ [mm]	7 ± 2	8 ± 2	10 ± 1

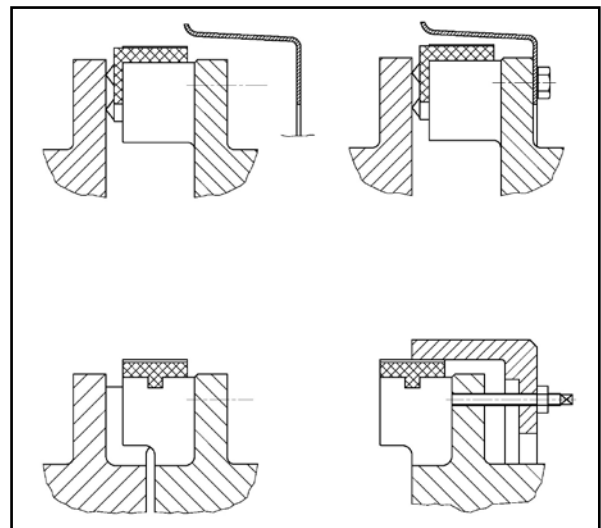
MMG Series

Size	4000	6300	10000	16 000	25 000	40 000	63 000	100 000
R_{max} [mm]	0.9	1.0	1.0	1.2	1.4	1.6	2.0	2.0
U_{max} [mm]	1.3	1.4	1.5	1.8	2.1	2.4	2.7	3.0
$S_3 \pm$ [mm]	8 ± 1.5	9 ± 1.5	10 ± 2	15 ± 2	20 ± 2.5	22 ± 3	25 ± 3	30 ± 4

How to mount the flexible elements and the retaining cap

When mounting the flexible elements care shall be taken to ensure that the coupling halves are not mounted too close to each other in order to protect the flexible elements from being subjected to lateral pressure and to maintain the axial flexibility of the coupling in operation. Likewise, the coupling halves shall not be mounted too far from each other so that the rubber blocks are capable of transmitting over the entire width between the coupling claws.

For easier positioning of the retaining cap when the saddle elements are inserted we recommend to previously coat their periphery with talcum or soft soap (no grease or oil). A threaded rod may be used as an aid for pushing the retaining cap into position.



Mounting instruction for type MMS-T...W with taper bush.

Mounting the element hub with taper bush. The general mounting instruction for the MMS also applies to this instruction and is to be equally taken into account.

1. The outer taper of the taper bush and the bore with the inner taper of the element hub shall show bright metal and must be free of grease prior to mounting. Preservatives must be removed completely.

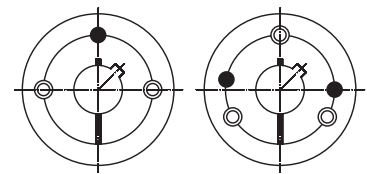


Fig. 1

No.1610
2012
2517
3030

No. 3535
4040
4545

2. Insert the taper bush into the element hub and line up all connecting bores. Make sure that half threaded holes coincide with half plain bores (Fig. 1).

3. Screw in lightly greased or oiled assembly screws. Do not tighten the screws yet (Fig. 2).

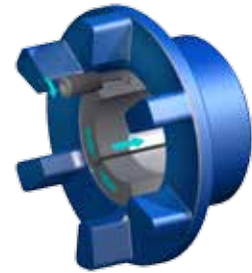


Fig. 2

4. Slide the element hub with inserted taper bush onto the cleaned shaft with key. Put it into the mounting position and tighten it uniformly according to Fig. 3 and Table 1.

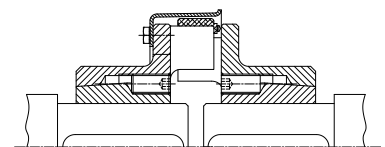


Fig. 3

5. The screws can be retightened again by slight tapping against the taper bush with a hammer using an intermediate plate. Repeat this process, if necessary.

Dismantling the element hub with taper bush

1. Loosen and remove all screws. Depending on the taper bush size, screw either 1 or 2 greased screws into the half pulling-off thread(s) of the taper bush (Fig. 4).

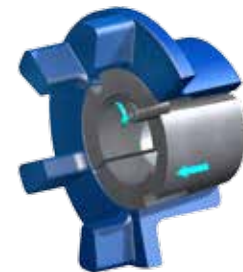


Fig. 4

2. Tighten the screws uniformly until the taper bush is loose in the element hub.

3. As soon as the taper bush is loose, the element hub can be pulled off the shaft together with the taper bush.

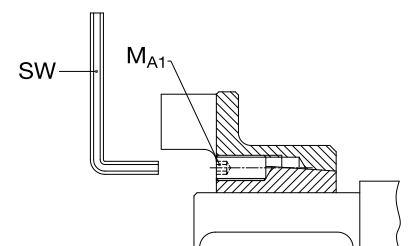


Table 1

Screw tightening torques for mounting the taper bush

Coupling size	MMS 25	MMS 40	MMS 63	MMS 100/160	MMS 250	MMS 400/630	MMS 1000
Taper bush No.	1610	2012	2517	3030	3535	4040	4545
B.S.W. screw size *)	$\frac{3}{8} \times 16$	$\frac{7}{16} \times 22$	$\frac{1}{2} \times 25$	$\frac{5}{8} \times 32$	$\frac{1}{2} \times 38$	$\frac{5}{8} \times 45$	$\frac{3}{4} \times 50$
Tightening torque M_{A1} [Nm]	20	31	49	92	115	172	195
Width across flats SW [mm]	5	6	6	8	10	12	14

*) Nr.1610/2012/2517/3030 set screw Nr.3535/4040/4545 cap screw

Screwed connections of the coupling

Before starting initial operation, all screws of the coupling have to be checked for their correct tightening torque using a torque wrench. Only correctly tightened screws are secured against loosening. If an additional screw lock is required we recommend to use suitable adhesives.

Tightening torques for screws with metric threads and head contact according to ISO 4762, ISO 4014, DIN 6912, grade 8.8

Screw size	M 6	M 8	M 10	M 12	M 16	M 20	M 24	M 27	M30
Tightening torque Nm	10	25	49	86	210	410	710	1050	1450

Technical note

The technical data applies only to the complete coupling or the corresponding coupling elements. It is the customer's/user's responsibility to ensure there are no inadmissible loads acting on all the components. Especially existing connections, like bolt connections, have to be checked regarding the transmittable torque, if necessary other measures, e.g. additional reinforcement by pins, may be required. It is the customer's/user's responsibility to make sure the dimensioning of the shaft and keyed or other connection, e.g. shrinking or clamping connection, is correct.

REICH-KUPPLUNGEN have an extensive programme of couplings and coupling systems to cover nearly every drive configuration. Furthermore customized solutions can be developed and be manufactured also in small series or as prototypes. Calculation programmes are available for coupling selection and sizing. - Please challenge us!

Safety precautions

It is the customer's and user's responsibility to observe the national and international safety rules and laws. Proper safety devices must be provided for the coupling to prevent accidental contact.

Check all bolted connections for the correct tightening torque and fit after a short running period preferably after a test run.