

## 볼이 끝에 달린 스크류 · 머리 없음, 둥근볼 EH 22720.



### 제품 설명

플라스틱 볼이 끝에 달린 스크류는 민감한 부품에 압력을 가할 경우 사용된다.  
위치를 잡는 용도 혹은 일정하게 고르지 않은 표면을 클램핑, 조임 혹은 써포트 하는 데 사용.

### 재질

#### 볼

- 볼 베어링 스틸, 경화처리
- 스테레스 스틸, 경화처리
- 열가소성 수지(플라스틱) POM, 흰색

#### 나사

- 열처리 스틸, 1200 ±100 N/mm<sup>2</sup>
- 스테레스 스틸 1.4305

### 더 많은 정보

#### 참조

완전히 회전되는 볼.  
스페셜 타입 별도 요청.

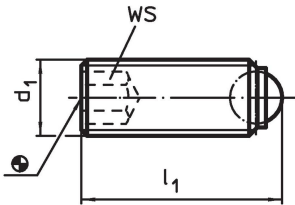
#### 참조

나사 풀림 방지는 별도 요청. 부록 - 기술 자료 - 참조.

#### 추가 제품

- 볼이 끝에 달린 스크류, 머리 없음, 정교한 나사
- 볼이 끝에 달린 스크류, 머리 없음, 둥근볼과 별모양 소켓



### 그림





### 주문 정보

d <sub>1</sub>	치수		WS [mm]	정적 하중에 대한 부하 용량 <sup>1)</sup> 최대 [kN]	최소 온도 [°C]		최대 무게 [g]	제품 번호.
	l <sub>1</sub> [mm]	볼 직경			최소	최대		
둥근 볼, 열처리 스틸								
M 3	5,0	1,5	1,5	2,5	-	250	0,1	22720.0032
M 3	7,5	1,5	1,5	2,5	-	250	0,2	22720.0033
M 3	10,0	1,5	1,5	2,5	-	250	0,3	22720.0034
M 4	6,0	2,5	2,0	3,5	-	250	0,3	22720.0042
M 4	8,0	2,5	2,0	3,5	-	250	0,4	22720.0043
M 4	10,0	2,5	2,0	3,5	-	250	0,5	22720.0044
M 4	12,0	2,5	2,0	3,5	-	250	0,7	22720.0045
M 4	16,0	2,5	2,0	3,5	-	250	1,0	22720.0046
M 5	8,0	3,0	2,5	4,5	-	250	0,7	22720.0052
M 5	10,0	3,0	2,5	4,5	-	250	0,9	22720.0053
M 5	12,0	3,0	2,5	4,5	-	250	1,1	22720.0054
M 5	16,0	3,0	2,5	4,5	-	250	1,6	22720.0055
M 5	20,0	3,0	2,5	4,5	-	250	2,0	22720.0056
M 5	25,0	3,0	2,5	4,5	-	250	2,6	22720.0058
M 6	10,8	4,0	3,0	9,0	-	250	1,3	22720.0062
M 6	12,8	4,0	3,0	9,0	-	250	1,7	22720.0063
M 6	16,8	4,0	3,0	9,0	-	250	2,3	22720.0064
M 6	20,8	4,0	3,0	9,0	-	250	3,0	22720.0065
M 6	25,8	4,0	3,0	9,0	-	250	3,8	22720.0066
M 8	11,2	5,5	4,0	15,0	-	250	2,5	22720.0081
M 8	13,2	5,5	4,0	15,0	-	250	2,8	22720.0082
M 8	17,2	5,5	4,0	15,0	-	250	4,0	22720.0083
M 8	21,2	5,5	4,0	15,0	-	250	5,2	22720.0084
M 8	26,2	5,5	4,0	15,0	-	250	6,7	22720.0085


<sup>1)</sup> 표기된 하중은 스테레스 스틸 재질에 해당되지 않음 (플라스틱 볼 타입은 제외).

d <sub>1</sub>	치수		WS [mm]	정적 하중에 대 한 부하 용량 <sup>1)</sup> 최대 [kN]	 최소 — 최대 [°C]		 [g]	제품 번호.
	l <sub>1</sub> [mm]	볼 직경						
M 8	31,2	5,5	4,0	15,0	-	250	8,3	22720.0086
M10	13,7	7,0	5,0	20,0	-	250	4,7	22720.0101
M10	17,7	7,0	5,0	20,0	-	250	6,0	22720.0102
M10	21,7	7,0	5,0	20,0	-	250	8,0	22720.0103
M10	26,7	7,0	5,0	20,0	-	250	10,0	22720.0104
M10	31,7	7,0	5,0	20,0	-	250	13,0	22720.0105
M10	36,7	7,0	5,0	20,0	-	250	15,0	22720.0106
M10	41,7	7,0	5,0	20,0	-	250	18,0	22720.0108
M12	18,0	8,5	6,0	30,0	-	250	9,2	22720.0121
M12	22,0	8,5	6,0	30,0	-	250	11,0	22720.0122
M12	27,0	8,5	6,0	30,0	-	250	14,0	22720.0123
M12	32,0	8,5	6,0	30,0	-	250	18,0	22720.0124
M12	42,0	8,5	6,0	30,0	-	250	25,0	22720.0126
M12	52,0	8,5	6,0	30,0	-	250	32,0	22720.0128
M16	23,3	12,0	8,0	60,0	-	250	22,0	22720.0161
M16	28,3	12,0	8,0	60,0	-	250	27,0	22720.0162
M16	38,3	12,0	8,0	60,0	-	250	41,0	22720.0164
M16	53,3	12,0	8,0	60,0	-	250	61,0	22720.0166
M20	34,2	15,0	10,0	90,0	-	250	52,0	22720.0202
M20	44,2	15,0	10,0	90,0	-	250	73,0	22720.0204
M20	54,2	15,0	10,0	90,0	-	250	94,0	22720.0205
M20	64,2	15,0	10,0	90,0	-	250	114,0	22720.0206
M24	39,7	18,0	12,0	120,0	-	250	89,0	22720.0242
M24	54,7	18,0	12,0	120,0	-	250	133,0	22720.0244
M24	84,7	18,0	12,0	120,0	-	250	223,0	22720.0246
<b>등근 볼, 스테인리스 스틸</b>								
M 3	5,0	1,5	1,5	2,5	-	250	0,1	22720.0747
M 3	7,5	1,5	1,5	2,5	-	250	0,2	22720.0748
M 3	10,0	1,5	1,5	2,5	-	250	0,3	22720.0749
M 4	6,0	2,5	2,0	3,5	-	250	0,3	22720.0750
M 4	8,0	2,5	2,0	3,5	-	250	0,4	22720.0752
M 4	10,0	2,5	2,0	3,5	-	250	0,5	22720.0754
M 4	12,0	2,5	2,0	3,5	-	250	0,7	22720.0756
M 4	16,0	2,5	2,0	3,5	-	250	1,0	22720.0758
M 5	8,0	3,0	2,5	4,5	-	250	0,7	22720.0760
M 5	10,0	3,0	2,5	4,5	-	250	0,9	22720.0761
M 5	12,0	3,0	2,5	4,5	-	250	1,1	22720.0762
M 5	16,0	3,0	2,5	4,5	-	250	1,6	22720.0763
M 5	20,0	3,0	2,5	4,5	-	250	2,0	22720.0764
M 5	25,0	3,0	2,5	4,5	-	250	2,6	22720.0765
M 6	10,8	4,0	3,0	9,0	-	250	1,3	22720.0770
M 6	12,8	4,0	3,0	9,0	-	250	1,7	22720.0772
M 6	16,8	4,0	3,0	9,0	-	250	2,3	22720.0774
M 6	20,8	4,0	3,0	9,0	-	250	3,0	22720.0775
M 6	25,8	4,0	3,0	9,0	-	250	3,8	22720.0776
M 8	11,2	5,5	4,0	15,0	-	250	2,5	22720.0780
M 8	13,2	5,5	4,0	15,0	-	250	2,8	22720.0782
M 8	17,2	5,5	4,0	15,0	-	250	4,0	22720.0783
M 8	21,2	5,5	4,0	15,0	-	250	5,2	22720.0784
M 8	26,2	5,5	4,0	15,0	-	250	6,7	22720.0785
M 8	31,2	5,5	4,0	15,0	-	250	8,3	22720.0786
M10	13,7	7,0	5,0	20,0	-	250	4,7	22720.0790
M10	17,7	7,0	5,0	20,0	-	250	6,0	22720.0792
M10	21,7	7,0	5,0	20,0	-	250	8,0	22720.0793
M10	26,7	7,0	5,0	20,0	-	250	10,0	22720.0794
M10	31,7	7,0	5,0	20,0	-	250	13,0	22720.0795
M10	36,7	7,0	5,0	20,0	-	250	15,0	22720.0796
M10	41,7	7,0	5,0	20,0	-	250	18,0	22720.0798
M12	18,0	8,5	6,0	30,0	-	250	9,2	22720.0800
M12	22,0	8,5	6,0	30,0	-	250	11,0	22720.0802

<sup>1)</sup> 표기된 하중은 스테인리스 스틸 재질에 해당되지 않음 (플라스틱 볼 타입은 제외).

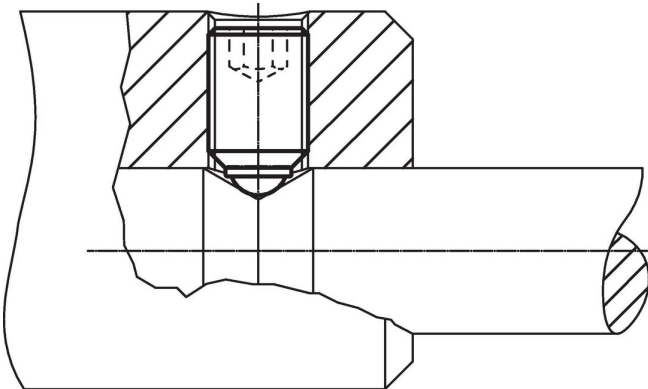
d <sub>1</sub>	치수		WS [mm]	정적 하중에 대한 부하 용량 <sup>1)</sup> 최대 [kN]	 최소   최대 [°C]		 [g]	제품 번호
	l <sub>1</sub> [mm]	볼 직경						
M12	27,0	8,5	6,0	30,0	-	250	14,0	22720.0803
M12	32,0	8,5	6,0	30,0	-	250	18,0	22720.0804
M12	42,0	8,5	6,0	30,0	-	250	25,0	22720.0806
M12	52,0	8,5	6,0	30,0	-	250	32,0	22720.0808
M16	23,3	12,0	8,0	60,0	-	250	22,0	22720.0810
M16	28,3	12,0	8,0	60,0	-	250	27,0	22720.0812
M16	38,3	12,0	8,0	60,0	-	250	41,0	22720.0814
M16	53,3	12,0	8,0	60,0	-	250	61,0	22720.0816
<b>플라스틱 등근 볼, 스테인리스 스틸</b>								
M 4	6,0	2,5	2,0	0,3	-30	80	0,2	22720.0252
M 4	8,0	2,5	2,0	0,3	-30	80	0,4	22720.0253
M 4	10,0	2,5	2,0	0,3	-30	80	0,5	22720.0254
M 4	12,0	2,5	2,0	0,3	-30	80	0,6	22720.0255
M 4	16,0	2,5	2,0	0,3	-30	80	0,9	22720.0256
M 5	8,0	3,0	2,5	0,5	-30	80	0,8	22720.0262
M 5	10,0	3,0	2,5	0,5	-30	80	0,7	22720.0263
M 5	12,0	3,0	2,5	0,5	-30	80	1,0	22720.0264
M 5	16,0	3,0	2,5	0,5	-30	80	1,5	22720.0265
M 5	20,0	3,0	2,5	0,5	-30	80	1,9	22720.0266
M 5	25,0	3,0	2,5	0,5	-30	80	2,5	22720.0267
M 6	10,8	4,0	3,0	0,9	-30	80	1,1	22720.0272
M 6	12,8	4,0	3,0	0,9	-30	80	1,4	22720.0273
M 6	16,8	4,0	3,0	0,9	-30	80	2,1	22720.0274
M 6	20,8	4,0	3,0	0,9	-30	80	2,8	22720.0275
M 6	25,8	4,0	3,0	0,9	-30	80	3,6	22720.0276
M 8	11,2	5,5	4,0	1,5	-30	80	1,9	22720.0281
M 8	13,2	5,5	4,0	1,5	-30	80	2,3	22720.0282
M 8	17,2	5,5	4,0	1,5	-30	80	3,6	22720.0283
M 8	21,2	5,5	4,0	1,5	-30	80	4,6	22720.0284
M 8	26,2	5,5	4,0	1,5	-30	80	6,3	22720.0285
M 8	31,2	5,5	4,0	1,5	-30	80	7,7	22720.0286
M10	13,7	7,0	5,0	2,0	-30	80	3,5	22720.0291
M10	17,7	7,0	5,0	2,0	-30	80	4,9	22720.0292
M10	21,7	7,0	5,0	2,0	-30	80	6,8	22720.0293
M10	26,7	7,0	5,0	2,0	-30	80	9,2	22720.0294
M10	31,7	7,0	5,0	2,0	-30	80	12,0	22720.0295
M10	36,7	7,0	5,0	2,0	-30	80	14,0	22720.0296
M10	41,7	7,0	5,0	2,0	-30	80	16,0	22720.0297
M12	18,0	8,5	6,0	3,0	-30	80	7,1	22720.0301
M12	22,0	8,5	6,0	3,0	-30	80	8,8	22720.0302
M12	27,0	8,5	6,0	3,0	-30	80	12,0	22720.0303
M12	32,0	8,5	6,0	3,0	-30	80	16,0	22720.0304
M12	42,0	8,5	6,0	3,0	-30	80	23,0	22720.0306
M12	52,0	8,5	6,0	3,0	-30	80	30,0	22720.0308
<b>플라스틱 등근 볼, 알루미늄 스틸</b>								
M 4	6,0	2,5	2,0	0,3	-30	80	0,2	22720.0342
M 4	8,0	2,5	2,0	0,3	-30	80	0,4	22720.0343
M 4	10,0	2,5	2,0	0,3	-30	80	0,5	22720.0344
M 4	12,0	2,5	2,0	0,3	-30	80	0,6	22720.0345
M 4	16,0	2,5	2,0	0,3	-30	80	0,9	22720.0346
M 5	8,0	3,0	2,5	0,5	-30	80	0,8	22720.0352
M 5	10,0	3,0	2,5	0,5	-30	80	0,7	22720.0353
M 5	12,0	3,0	2,5	0,5	-30	80	1,0	22720.0354
M 5	16,0	3,0	2,5	0,5	-30	80	1,5	22720.0355
M 5	20,0	3,0	2,5	0,5	-30	80	1,9	22720.0356
M 5	25,0	3,0	2,5	0,5	-30	80	2,5	22720.0358
M 6	10,8	4,0	3,0	0,9	-30	80	1,1	22720.0362
M 6	12,8	4,0	3,0	0,9	-30	80	1,4	22720.0363
M 6	16,8	4,0	3,0	0,9	-30	80	2,1	22720.0364
M 6	20,8	4,0	3,0	0,9	-30	80	2,8	22720.0365

<sup>1)</sup> 표기된 하중은 스테인리스 스틸 재질에 해당되지 않음 (플라스틱 볼 타입은 제외).

d <sub>1</sub>	치수		WS [mm]	정적 하중에 대한 부하 용량 <sup>1)</sup> 최대 [kN]	 최소 — 최대 [°C]		 [g]	제품 번호.
	l <sub>1</sub> [mm]	볼 직경			최소	최대		
M 6	25,8	4,0	3,0	0,9	-30	80	3,6	<a href="#">22720.0366</a>
M 8	11,2	5,5	4,0	1,5	-30	80	1,9	<a href="#">22720.0381</a>
M 8	13,2	5,5	4,0	1,5	-30	80	2,3	<a href="#">22720.0382</a>
M 8	17,2	5,5	4,0	1,5	-30	80	3,6	<a href="#">22720.0383</a>
M 8	21,2	5,5	4,0	1,5	-30	80	4,6	<a href="#">22720.0384</a>
M 8	26,2	5,5	4,0	1,5	-30	80	6,3	<a href="#">22720.0385</a>
M 8	31,2	5,5	4,0	1,5	-30	80	7,7	<a href="#">22720.0386</a>
M10	13,7	7,0	5,0	2,0	-30	80	3,5	<a href="#">22720.0401</a>
M10	17,7	7,0	5,0	2,0	-30	80	4,9	<a href="#">22720.0402</a>
M10	21,7	7,0	5,0	2,0	-30	80	6,8	<a href="#">22720.0403</a>
M10	26,7	7,0	5,0	2,0	-30	80	9,2	<a href="#">22720.0404</a>
M10	31,7	7,0	5,0	2,0	-30	80	12,0	<a href="#">22720.0405</a>
M10	36,7	7,0	5,0	2,0	-30	80	14,0	<a href="#">22720.0406</a>
M10	41,7	7,0	5,0	2,0	-30	80	16,0	<a href="#">22720.0408</a>
M12	18,0	8,5	6,0	3,0	-30	80	7,1	<a href="#">22720.0421</a>
M12	22,0	8,5	6,0	3,0	-30	80	8,8	<a href="#">22720.0422</a>
M12	27,0	8,5	6,0	3,0	-30	80	12,0	<a href="#">22720.0423</a>
M12	32,0	8,5	6,0	3,0	-30	80	16,0	<a href="#">22720.0424</a>
M12	42,0	8,5	6,0	3,0	-30	80	23,0	<a href="#">22720.0426</a>
M12	52,0	8,5	6,0	3,0	-30	80	30,0	<a href="#">22720.0428</a>

<sup>1)</sup> 표기된 하중은 스테인레스 스틸 재질에 해당되지 않음 (플라스틱 볼 타입은 제외).

### 적용 예



### 규정 준수

자세한 규정 준수 정보를 보려면 원하는 품목 번호를 선택하십시오.