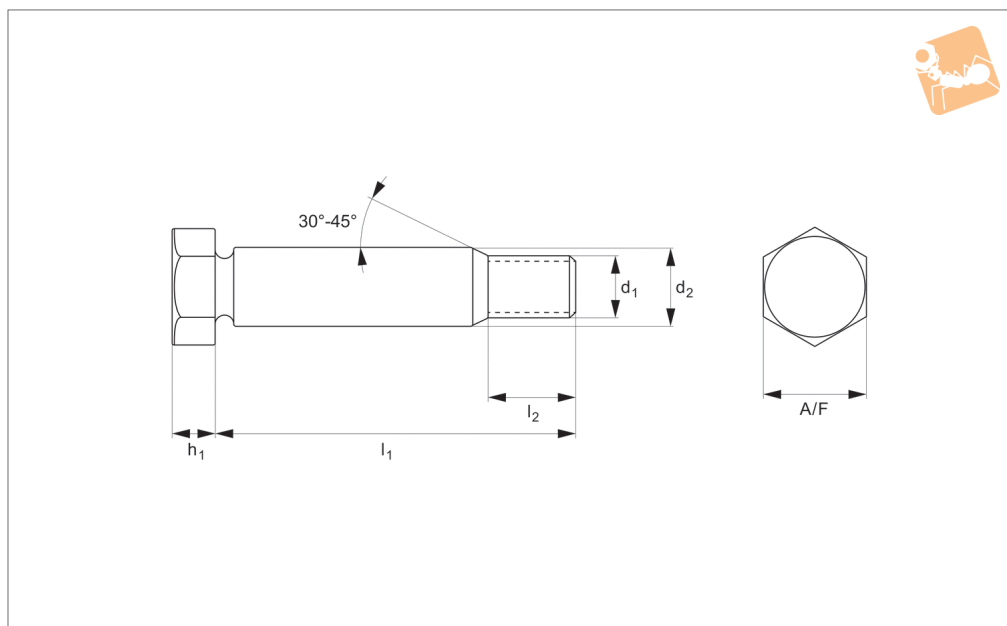




# Stainless Shoulder Bolts - Hex. Head

short thread, A2 stainless

## Shoulder Screws



**P0140.A2**

SHOULDER SCREWS

### Material

Stainless steel (A2, AISI 303).  
Tensile strength 550 N/mm<sup>2</sup>.

(DIN 609). Mildly magnetic.

### Tips

Do not tighten to standard strength class 8,8 torque; as the tightening torque is limited,

by the presence of the reduced diameter undercut under the head and at the shoulder/thread area.  
Drill hole to H7 tolerance.

### Technical Notes

To DIN 610. Shorter thread than P0138

| Order No.        | d <sub>1</sub> | l <sub>1</sub> | d <sub>2</sub><br>tol. k6 | l <sub>2</sub> | h <sub>1</sub> | A/F |
|------------------|----------------|----------------|---------------------------|----------------|----------------|-----|
| P0140.080-025-A2 | M 8            | 25             | 9                         | 11.5           | 5.3            | 13  |
| P0140.080-030-A2 | M 8            | 30             | 9                         | 11.5           | 5.3            | 13  |
| P0140.080-040-A2 | M 8            | 40             | 9                         | 11.5           | 5.3            | 13  |
| P0140.080-045-A2 | M 8            | 45             | 9                         | 11.5           | 5.3            | 13  |
| P0140.100-040-A2 | M10            | 40             | 11                        | 13.5           | 6.4            | 16  |
| P0140.100-045-A2 | M10            | 45             | 11                        | 13.5           | 6.4            | 16  |
| P0140.100-050-A2 | M10            | 50             | 11                        | 13.5           | 6.4            | 16  |
| P0140.100-060-A2 | M10            | 60             | 11                        | 15.5           | 6.4            | 16  |
| P0140.100-080-A2 | M10            | 80             | 11                        | 15.5           | 6.4            | 16  |
| P0140.100-100-A2 | M10            | 100            | 11                        | 15.5           | 6.4            | 16  |
| P0140.120-030-A2 | M12            | 30             | 13                        | 15.5           | 10.0           | 18  |
| P0140.120-035-A2 | M12            | 35             | 13                        | 15.5           | 10.0           | 18  |
| P0140.120-040-A2 | M12            | 40             | 13                        | 15.5           | 10.0           | 18  |
| P0140.120-045-A2 | M12            | 45             | 13                        | 15.5           | 10.0           | 18  |
| P0140.120-050-A2 | M12            | 50             | 13                        | 15.5           | 10.0           | 18  |
| P0140.120-080-A2 | M12            | 80             | 13                        | 17.5           | 10.0           | 18  |
| P0140.120-120-A2 | M12            | 120            | 13                        | 17.5           | 10.0           | 18  |
| P0140.160-040-A2 | M16            | 40             | 17                        | 19.0           | 11.5           | 24  |
| P0140.160-045-A2 | M16            | 45             | 17                        | 19.0           | 11.5           | 24  |
| P0140.160-050-A2 | M16            | 50             | 17                        | 19.0           | 11.5           | 24  |
| P0140.160-055-A2 | M16            | 55             | 17                        | 21.0           | 11.5           | 24  |
| P0140.160-060-A2 | M16            | 60             | 17                        | 21.0           | 11.5           | 24  |
| P0140.160-065-A2 | M16            | 65             | 17                        | 21.0           | 11.5           | 24  |
| P0140.160-070-A2 | M16            | 70             | 17                        | 21.0           | 11.5           | 24  |
| P0140.160-080-A2 | M16            | 80             | 17                        | 21.0           | 11.5           | 24  |

